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# Farm and Ranch Review

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NUMBER 4

CALGARY, ALBERTA  
APRIL, 1947

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-- LAMBING TIME ON A B.C. RANCH --

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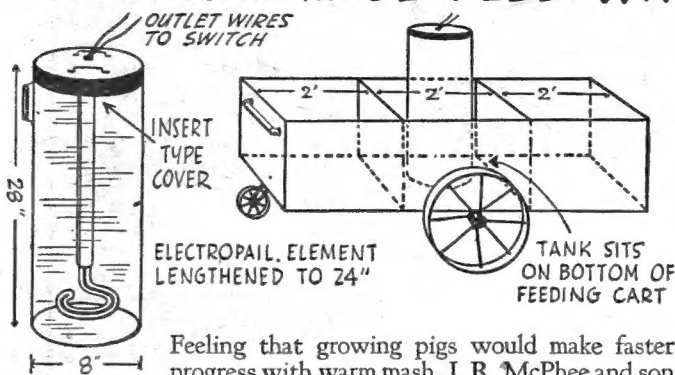


# IDEAS

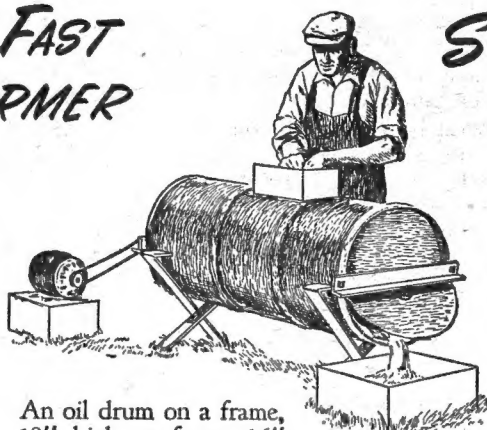
## from a Neighbor's Farm

Safeway's Farm Reporter keeps tab on how farmers make work easier, cut operating costs, improve crop quality. Safeway reports (not necessarily endorses) his findings because we Safeway people know that exchanging good ideas helps everybody, including us. After all, more than a third of our customers are farm folks.

### YOUNG PORKERS GAIN FAST WITH HOME MADE FEED WARMER

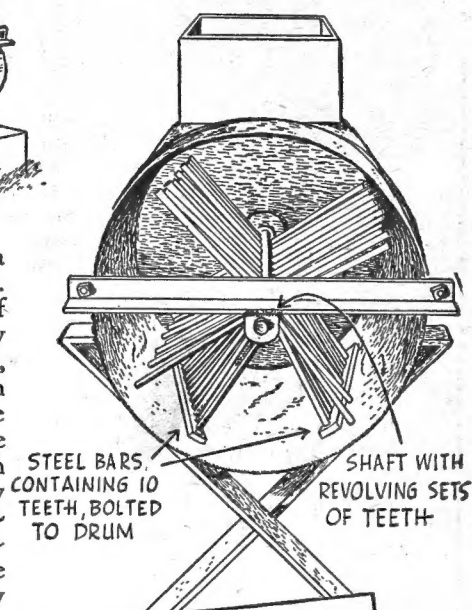


Feeling that growing pigs would make faster progress with warm mash, J. R. McPhee and son Don, Chilliwack, B.C., went to work and came up with a warmer that is simple and efficient. They use a slop cart in three sections, one each for growing, finishing and sow ration—each section 2'x2'x2'. They were feeding mash at a heat of 38 degrees to 40 degrees F.—decided that if this could be raised to 80 degrees F. their pigs would gain faster. They lengthened and bent a 1320 watt Electropail heating element and welded the neck to a hollow insert-type lid, packing the lid with asbestos. The lid and unit is inserted into a water-filled metal cylinder 28"x8", with a heavy duty extension cord to a separate branch circuit—a time switch added for automatic operation. The tank is placed in the middle section and two hours before feeding time the warmer starts. At feeding time, son Don lifts the warmer out of the mash, removes the lid and pours the hot water into the warmed mash of that section. When the water and mash have been mixed thoroughly, the temperature of the mash is about 80 degrees F., and the young pigs love it.



### SOLVES SEED THRESHING PROBLEMS

An oil drum on a frame, 18" high at front, 16" high at back, provides W. H. Baumbrough, Vernon, B.C., with a thresher for small seeds such as onions, etc. On a shaft in the drum are four sets of teeth, eleven to a set, clearing the drum by 1 1/2". Two steel bars, each with ten teeth, are bolted down inside drum and through these fixed teeth, the rotating teeth on the shaft mesh. Shaft is set in 2"x2" angle irons, bolted and welded to drum, with one end of shaft equipped with "V" pulley to a small motor. On top of drum is a hopper for feeding seed pods of small vegetables; doors at low end of drum provide access to the seed. Drum frame is simply made as shown.



### SPRAYER-DUSTER

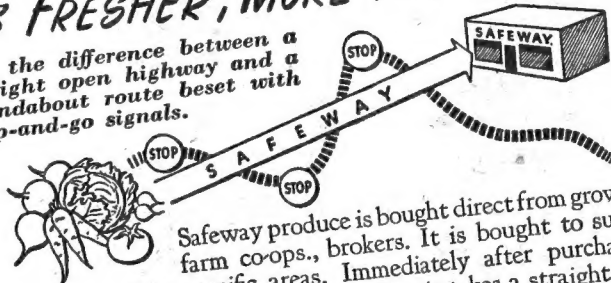


### GOOD USE FOR HALF A BICYCLE!

During the war years, John Daman of St. Vital, Manitoba, could not get a satisfactory sprayer so he rigged up one himself from parts around his 40-acre produce farm. He used a hand sprayer, a bicycle wheel and built a frame out of 3/4" and 1/2" pipe. He attached a belt to the pulley on the sprayer, hooking it to a larger pulley on the wheel. The sprayer-dusters are worked from a 1 1/2" flexible pipe attached to each handle by clamps. If the bicycle wheel has a brake on it, this can be used to throw the duster out of gear in rolling it from one garden to another. Cost was approximately \$25, and Daman says his investment has saved him plenty of work and time in dusting. Previously the dusting was done by hand from the same (Dobbin) sprayer.

### WHY PRODUCE AT SAFEWAY IS FRESHER, MORE FLAVORFUL

It's the difference between a straight open highway and a roundabout route beset with stop-and-go signals.



Safeway produce is bought direct from growers, usually right out of the field or orchard—it takes a straight open highway to market. No sidetrack delays while destination is determined. No time out for second or third "deals." Safeway produce is naturally fresher in the store because it gets there quicker. Being fresher it tastes better, has more flavor. So consumers gladly buy more, which helps give growers a better return.

- Safeway buys direct, sells direct, to cut "in-between" costs.
- Safeway buys regularly, offering producers a steady market; when purchasing from farmers Safeway accepts no brokerage directly or indirectly.
- Safeway pays going prices or better, never offers a price lower than producer quotes.
- Safeway stands ready to help move surpluses.
- Safeway sells at lower prices, made possible by direct, less costly distribution . . . so consumers can afford to increase their consumption.

**SAFEWAY**—the neighborhood grocery stores



## BUILD RESISTANCE TO BLOODY COCCIDIOSIS



This exclusive discovery of the Pratt Laboratories replaces ineffective "cures" and "preventatives," and enables you to avoid large losses from this deadly enemy to your flock.

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**C-KA-GENE**  
A FLOCK TREATMENT  
THAT CUTS LOSSES

C-Ka-Gene cannot give chicks Coccidiosis. It is simply a combination of drugs which builds up and establishes a natural resistance to bloody coccidiosis, when fed according to directions. (Laboratory tested 92% to 100% effective.) STOP large losses this year by feeding C-Ka-Gene in the mash, before and after you put your birds out, according to directions.

**PRATT FOOD COMPANY OF CANADA**  
QUELPH LIMITED ONTARIO

# Prices Increased For Barley and Oats

★ ★ ★ ★ ★  
**I**MPORTANT price changes designed to encourage the growing of oats and barley and thus increase production of dairy products, meat, poultry and eggs this year were announced in the Commons by Rt. Hon. J. G. Gardiner on March 17. As a result of the new coarse grains policy, the ceiling price of barley has been raised between 10 and 13 cents a bushel and the ceiling price of oats by several cents. Summarized, Mr. Gardiner's statement included the following points:

1—Effective March 18, the wheat board will stand ready to buy all oats and barley in Canada at new support prices, based on 90 cents a bushel for barley, instead of the former 56 cents, and 61½ cents for oats instead of 40 cents. The system of advance equalization payments is discontinued.

2—The new support prices will remain in effect until July 31, 1948.

3—Price ceilings on all grades of barley and oats have been raised. Barley price ceiling was advanced to 93 cents and oats to 65 cents.

4—To compensate producers who had already delivered barley during the present crop year, an adjustment payment of 10 cents a bushel will be paid on all deliveries made between August 1, 1946, and March 17, 1947, thus raising overall returns to about 90 cents a bushel.

5—The barley equalization account shows a loss, so no further payments may be expected for deliveries during the present crop year. The oats equalization account remains open, and any profits will be distributed to producers who delivered oats during the period August 1, 1946, to July 31, 1947.

6—To avoid "fortuitous" profits to commercial holders of oats and barley under the new prices, handlers and dealers are required to sell to the wheat board all stocks in their possession at midnight March 17. Under certain conditions, the stocks will be returned, for re-sale.

7—Because of continuation of price ceilings on animal products, payments of 10 cents a bushel for oats and 25 cents a bushel for barley will be made on the same conditions as the present 25 cent payment on feed

wheat. Payment of these subsidies, said Mr. Gardiner, will leave the cost of feed grains to feeders approximately at their present levels.

8—The wheat board will now become the sole exporter of oats and barley. Any exports will be from grain acquired by the board under the new price support plan, and net profits will be paid into equalization accounts to be distributed later to producers.

Mr. Gardiner stressed that this new policy benefited producers and feeders, by a higher price on one hand and feeding subsidies on the other. The subsidies will continue, he said, until the products produced from the feed are released from price ceilings.

The government will continue to pay freight on grain for feeding purposes and mill feeds shipped east from Ft. William and Port Arthur, and west from Calgary and Edmonton into British Columbia until July 31, 1948.

Floor prices on meat, dairy products and eggs will be maintained, mainly through the British contracts. In the case of butter, a floor price will be established by means of having the dairy products board buy butter during the heavy products season.

Mr. Gardiner also announced that as from March 18, price ceilings on shell eggs have been removed. Prices Board officials did not believe that prices to consumers would advance to any marked extent.

## LETHBRIDGE TO GET RESEARCH STATION

The federal department of agriculture plans to create a major research station as part of the Lethbridge Experimental Farm. Studies and investigations will be carried on in connection with such local problems as canning of fruits and vegetables, development of varieties and strains of sugar beets and control of animal parasites. Work on the new plant will start as soon as material, labor and equipment are available.

There are 34 practising veterinarians in Alberta and 29 students from this province are studying veterinary science at the Ontario Agricultural College at Guelph.

## Give a Loved One the GIFT OF HEARING



### NEW ZENITH RADIONIC HEARING AID Only \$40 Direct-by-Mail

If one of your loved ones suffers from poor hearing, no gift could bring so much happiness at so little cost, as this fine quality hearing aid.

Zenith's direct sales method eliminates salesmen's high commissions and other "extras." You get the benefit: a precision hearing aid at about one-fourth the price of comparable instruments. No extra charge for shipping, duties, taxes.

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It's easy as focusing binoculars! The flick of a finger instantly adjusts the Tone Control to the wearer's own hearing requirements.

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☐ Enclosed find (money order) (check) for Zenith Radionic Hearing Aid. If I am not completely satisfied, I may return it within 10 days and receive my money back in full.

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"Osmose"  
SPECIAL  
FENCE POST  
MIXTURE**

Yes... and at a cost of only 3 to 4c per post. This is the first step towards 'real fencing economy'.

Each year two out of three untreated posts lie broken off due to rot at the groundline. This means—new posts, new wire—and a great deal of trouble. "Osmose Special Fence Post Mixture" combining 5 time-tested industrial preservatives makes native posts last 3 to 5 times longer... doubles the life of Cedar... makes valuable posts out of Poplar, Spruce, Pine, Willow, Tamarack, and Oak. It is most effective on green fresh cut posts.

Simply applied like paint from 4" above to 8" below the groundline. Over 1,500,000 power and telephone poles treated in the U.S. and Canada are your guarantee.

Figure your fencing costs in labour time and materials for the last ten years, then like a great many of your fellow farmers and ranchers, send in your order for Osmose.

See your local dealer.

Gallons \$3.95 — treats 80-150 posts

GOOD  
ALL AROUND  
FOR ANY WOOD  
IN OR NEAR  
THE GROUND



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# OGDEN'S

*Fine Cut*  
Rolls an A-1  
*Cigarette*



"PIPE SMOKERS! ASK FOR OGDEN'S CUT PLUG."



## FARMING REQUIRES SKILL

**F**ARMING today requires much more than just planting, cultivating and harvesting crops. Profitable farming calls for long-time planning; rotating of crops and fertilizing for long-time planning; rotating of crops and fertilizing to improve quality and increase yields. Farmers must know how to fight insect pests and diseases of both plants and animals. They must study the operations of all available chemicals, farm equipment and other facilities to produce larger quantities of food from the same acreage. Farmers must learn the proper methods of preventing soil erosion and maintaining the tilth and fertility of their land. More and more, farming, is becoming a highly specialized occupation.—Alberta Wheat Pool Budget.



*is lubrication time...*



Alemite Lever Type Gun—Model 6578-E, one pound capacity. Develops 10,000 lbs. pressure . . . a quick, clean, efficient and sure method of farm lubrication.



Model 6536-R Volume Pressure Pump. Equipped with 7 ft. High Pressure hose. Is built to withstand hard usage and makes lubrication easier, faster, and surer.

**BACK ON THE LAND . . .** which means your farm machinery must be in tip-top running condition. Save time and avoid breakdowns by lubricating regularly and efficiently with **ALEMITE** Lubrication Equipment. **ALEMITE** designs and builds special lubrication equipment, Hand Guns and Fittings for Canadian farmers . . . for regular efficient performance from your machinery this spring — lubricate with **ALEMITE**.



Alemite Fittings are designed to provide for complete lubrication. Worn out fittings are a menace to valuable machinery . . . replace them with Alemite's specially hardened Fittings—standard equipment with all manufacturers of Canadian Farm Implements.



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## Coupon Meat Rationing Ended

**H**OUSEWIVES and stockmen alike welcomed the announcement that coupon rationing of meat in Canada was abandoned on March 27. Price ceilings remain in effect, Tuesdays and Fridays will continue to be observed as meatless days in public eating places, area distribution of meat will still be supervised and regulations governing slaughter permits and quotas will be continued for the time being.

## BIG EXPENDITURE ON WATERSHED

**S**OME \$6,300,000 capital expenditure will be spent on the conservation of the watershed on the eastern slope of the Rocky Mountains during the next 25 years. The Dominion and the provincial government of Alberta have come to an agreement on the administration of this area. This arrangement provides for a sharing of the maintenance costs and for the administration of the area.

Agriculture's interest in this arrangement lies in the perpetuation of the forest growth on the mountain slopes, which will provide for a constant flow of water, not only for irrigation purposes but for the maintenance of the water level on the prairie, from whence farmers obtain their well water supply.

## Mercurial Dust Treatment is Best For Seed Grain

**T**HE time has come around when farmers should begin to think about the treatment of the seed they intend to sow, writes H. G. L. Strange of the Searle Grain Co. Based on my own personal experience, the results of hundreds of many experiments I have seen, and on advices given by government authorities, I do not hesitate to recommend strongly to farmers to treat their wheat, oats and barley with Mercurial Dust, either Ceresan or Leytosan. I strongly recommend the use of these dusts, even though a farmer may think his seed is not affected with stinking smut or bunt, because these Mercurial Dusts not only guard against stinking smut or bunt, but in addition reduce losses from seed rot and seedling blight and some bacterial and fungous diseases, so tending to improve the strength of the plant, so tending to ensure a higher yield.

It is best to use a Kemp Dust Treater, but there are other simple devices for treating seed which can be used, all of which are described on the packages in which the dust is sold. These Mercurial Dusts can be purchased from any hardware store.

A farmer should be careful to protect his nose and mouth from the mercurial dust; how to do this is described on the package.

## BIG RANCH DEAL

An important Southern Alberta land transaction has been announced with the sale of 11,000 acres of the original Knight "K2" ranch by the McIntyre Ranching Co., Magrath, to the Latter Day Saints Church. The land, lying in the Spring Coulee-Woolford area, will be operated in conjunction with the church's Alberta Stake Cochrane ranch near Mountain View. The latter property is stocked with some 2,300 head of Hereford cattle and 2,000 sheep.



## NEW POULTRY CHIEF

Charles W. Wood, above, has been appointed poultry commissioner in the Saskatchewan department of agriculture. A graduate in agriculture from the University of B.C., he succeeds G. O. Hodgson who recently left the department to head the poultry division of Manitoba Agricultural College.

## On The Calendar

April 2 - 5 — Calgary — horse sale.  
April 8 - 10 — Edmonton — bull sale, fat stock show and bred sow sale.  
April 8 - 10 — Regina 15th annual horse sale.  
April 30 - May 3 — Calgary — Light horse show.  
May 19 - 20 — North Battleford fat stock and purebred cattle show and sale.  
May 26 - 27 — Lloydminster — annual bull sale and district calf club show and sale.

## MORE FUR FARMS

Fur farms in Alberta for the 1946-47 season will be well over 1,500, according to John Keith, provincial supervisor of fur farms. This number is roughly 250 more than the total licensed by the Department of Agriculture last year. Mink farms are still mainly favored, representing about 75 per cent of the total, with the remaining 25 per cent mainly fox ranches.

## NEW BEET HARVESTER

A rotary disk that scoops sugar beets from the ground and cuts off their tops in one movement is to be manufactured in Medicine Hat, if present plans of the Kiest Beet Harvester Company, of Boise, Idaho, are carried out.

Frank E. Woolf, Guelph, Ont., has been appointed fieldman of the Canadian Shorthorn Association, succeeding J. W. Durno who has been western representative of the organization for the past 17 years. Mr. Woolf will take up his duties May 1, with headquarters at Saskatoon.



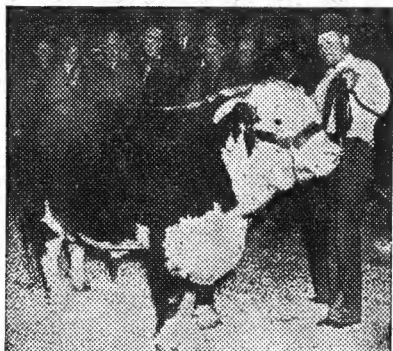
# Calgary Bull Sale Sets New Records

ALL previous records for total volume of sales and high price averages went by the boards when figures were compiled at the conclusion of the 47th annual Calgary Spring Bull Sale and Fat Stock Show and Sale held March 17 - 21. Eight hundred and fifty purebred bulls passed through the sale ring for a total return of \$406,435, an average of \$478 per head. The previous record was set in 1945 when 799 bulls brought a total of \$364,845, an average of \$456.63. Corresponding earlier figures were: 1946—953 head averaged \$392; 1944—843 head averaged \$351; 1943—625 head averaged \$414. This year's high figure for the sale of bulls brings the total for the 20,747 head sold in the 46-year history of the event to \$4,588,144.

In addition to the sale of bulls, the turnover at the auction included \$25,404.94 from the sale of fat stock and baby beef and \$15,445 from the sale of purebred females for a grand total of \$447,284.94.

About ten per cent of the bulls went to American buyers, who as usual were well represented at the sale. The majority, however, including most of the top priced animals, found new homes on Alberta ranches and farms from where their blood lines will contribute to further sales. Bidding dragged slightly during the last day of the auction as the demand approached the saturation point, but all animals in good flesh and fit sold up to their value. It was impressed on contributors that their offerings must have the fitting and finish required to go into the breeding season if they are to bring their value in the ring.

As usual, Herefords topped the sale in numbers and price, 599 head bringing an average of \$530. Top individual price of the sale was the \$4,000



Grand champion Hereford, shown by Charles Bull & Son, Calgary, and sold for \$3,400.

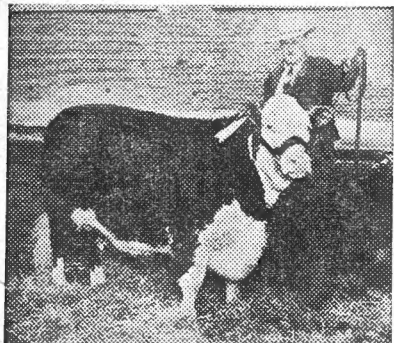
paid to W. A. Crawford-Frost of Nanton by R. G. Spooner, Midnapore, for Caerleon Standard 46th. The Crawford-Frost string of five bulls brought him the high total return of \$11,675.

Other near-top figures were \$3,800 paid by E. A. Price of Crossfield to Henry Ziegler and Sons, Vegreville; \$3,400 paid by Chas. Henning, Rosedale, B.C., to Chas. Bull & Son, Calgary; \$3,350 paid by S. C. Williams of Claresholm to J. M. Campbell & Sons, Stavelly; \$3,100 paid to Frank Collicutt by Thomas Usher of Scollard and \$3,000 which C. J. Kallal & Sons, Tofield paid Wright & Bond, Irricana.

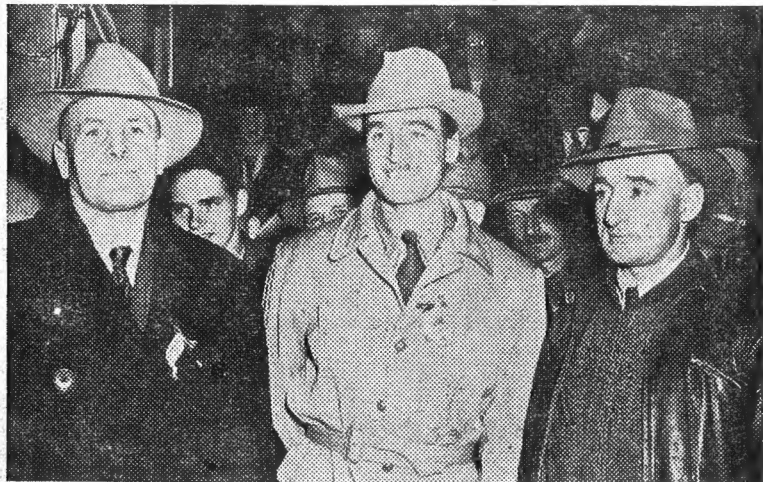
A total of 157 Shorthorn bulls passed through the ring for the sum of \$55,435, an average of \$340.35, which exceeded last year's figure by some \$15 a head. Top price for the breed was the \$1,200 paid by Henry Walters of Clive to P. W. Stefura of Chipman for Elburn Command, a thick, dark red individual which had formerly been placed as reserve champion. The champion, Rannoch Rodney, brought T. G. Hamilton \$925 from Rod Macleay of High River. Adam Berreth of Belseker and Lyle Robinson of Vermillion each made sales at \$1,050 to Albert Sanderman of Okotoks and D. A. Mouser of Claresholm, respectively.

A good entry from the University Farm, Edmonton, went to Kenney

(Continued on page 26)



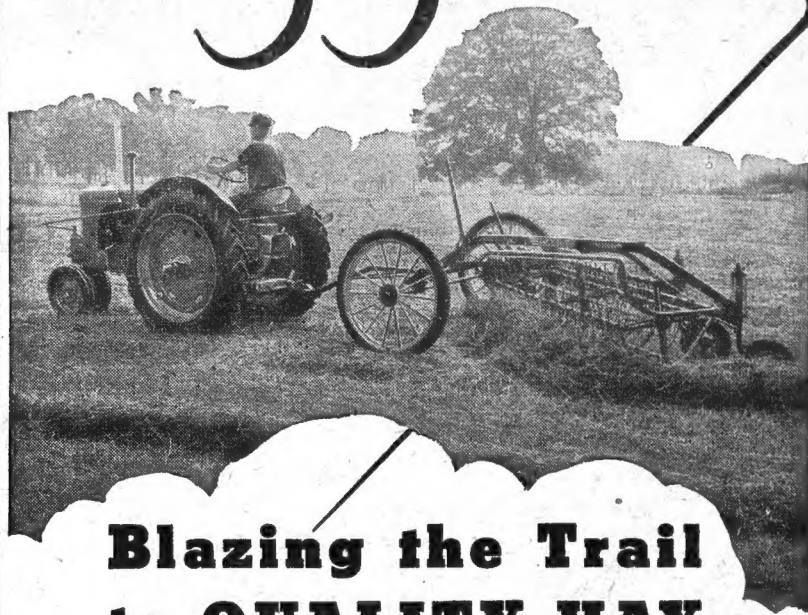
Grand champion of the fat stock show, exhibited by Ed. Noad of Olds, and sold for \$1 a pound.



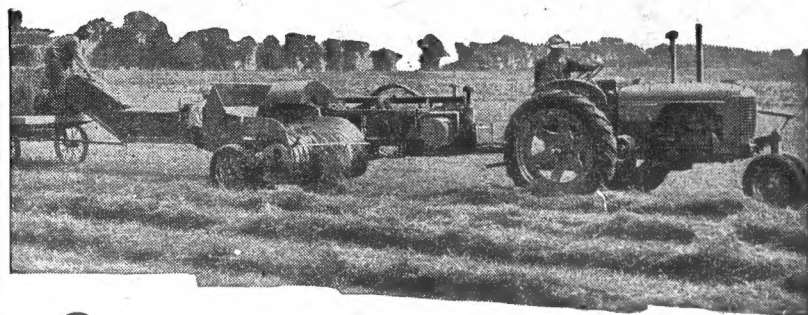
## HEAD ALBERTA BEEF BREEDERS

Above are the newly-elected presidents of the three groups comprising the Alberta Cattle Breeders' Association. Left, R. V. McCullough, Red Deer (Aberdeen-Angus); centre, John Cross, Nanton (Shorthorns); right, H. W. Francis, Carstairs (Herefords).

# For 35 Years



## Blazing the Trail to QUALITY HAY



Only Mother Nature herself can create feeding quality in hay. Ever since the first balers back in 1910, Case has worked continually on practical machines and methods to capture and keep the goodness of hay as it grows in the meadow. All that agricultural science has learned about vitamins, minerals, and the time when protein reaches its peak, plays its part in the Case System of Making Hay.

Thus the Case Side-Delivery Rake, brought out when "tedding" was still done, turned directly away from that destructive practice. The Case rake made it possible to handle hay gently, to build high, fluffy windrows with leaves largely inside, sheltered from bleaching sun. It was the fast, work-saving way to make Air-Conditioned Hay. The Case slow-gear, four-bar tractor rake of today does all this at modern rubber-tired speed.

To get hay with all its leaves and quality from windrow to manger was another problem. Years of research and experience with big pick-up balers brought forth the Case Slicer-Baler. Slicing instead of stomping and folding saves leaves both in the field and in the manger or feed-lot. It is so simple that boys can operate it, so low in cost that most any farmer can own it.



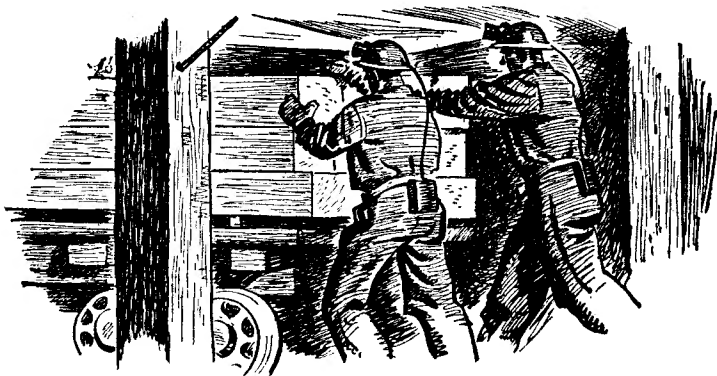
# CASE

**Fast, Flexible, Handy to Hitch.** The Case Trailer-Mower has the positive power drive and speed of a tractor-mounted mower with the easy hitching of a pull-type implement. Hinge connection permits cutterbar to follow uneven ground. Caster-wheel construction makes square turns easy. See your Case dealer; send for new booklet "How to Make High-Protein Hay." J. I. Case Co., Calgary, Edmonton, Regina, Saskatoon, Winnipeg, Toronto.





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Every day train loads of Nickel roll out from the smelters at Copper Cliff to the refineries at Port Colborne and from there to the industries and seaports of North America. Heavy freight rolls in from all parts of Canada. In some years the Canadian Nickel industry has used every day: ten cars of timber, twelve tons of explosives, 2330 feet of pipe, two tons of nails, machinery and supplies in endless variety. In one year the Canadian Nickel industry paid over six million dollars to Canadian railroads for freight. Much of this money was used to pay Canadian railwaymen's wages. Every year Canadian rail-

roads buy equipment containing Nickel. Tons of Nickel go into locomotives, and freight and passenger car frames, because Nickel Alloys are tough, strong, rust-resistant. The purchase of this equipment means jobs for scores of men engaged in producing and refining Canadian Nickel.

Canadian railroads could not operate at their present efficiency without Canadian Nickel. The Canadian Nickel industry could not continue to operate without Canadian railroads. Each industry creates employment in the other. No matter how we earn a living, we are all one family, each depending on the others.



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# Farm and Ranch Review

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As the progress of mechanization continues, will farm people centre more and more of their recreational and social activities in the towns, or with the development of electricity, radio, television and other modern facilities, will they increase their interests in their homes and among their rural neighbors — interests which can be more satisfying than the attractions offered by the towns?

In older settled communities there is a noticeable trend toward larger farm holdings, with a corresponding shrinkage in the number of rural families. This shifting of population and interest from country to town is heightened by the building of better roads, the establishment of consolidated schools, the growth of co-operative buying and selling organizations and the general trend to mechanization which makes possible more farm work in a shorter day and the employment of fewer farm laborers.

Farmers today more than ever before want up-to-date farm homes, more conveniences, a little leisure and a chance to keep up with what is going on in the world. Larger incomes during the war years enabled most farmers to get some of these things and to plan for others. With factory production lines rapidly getting back to normal speed, more facilities for farm and home improvement and for labor-saving will soon be available and the process of mechanization will be further advanced. Indeed, it will advance out of all proportion to the progress made in the past, since one development sprouts rapidly from another and war-found skills and materials are coming into ever-greater play.

Some leaders of farm movements are expressing concern lest all these improvements in transportation and in the way of doing the tedious, laborious tasks on the farm will leave rural people with too much time on their hands and lure them to the bright lights of the town when the day's work is finished too early. They need not worry too much over this problem. The farm day will still start about sunup and if mechanization will end it a little before sundown, let's have more mechanization.

★ ★

SOME thirty farmers in the Peace River district have performed what may well prove to be distinguished service not only to their own area but to the entire grain-growing West. In 1945 and 1946, working in co-operation with Dominion

# Editorial

plant scientists, they have propagated and tested on their farms the qualities of Saunders, a new variety of wheat which represents the efforts of plant breeders to give short-season areas a high-grade, disease-resistant, early-maturing wheat.

The new wheat, regarded as giving exceptional promise, is the most recent development in the little-heralded work of the experimental farms service over the last twenty years to replace present varieties, all of which demonstrated some defect or other. It is fitting that its name honors those two great Canadians, Dr. William Saunders and his son Dr. Charles E. Saunders, always associated with the origin of Marquis wheat, and it is equally notable that its propagation in the Peace River recalls those pioneers, the late W. D. Albright, the late Herman Trelle, Lloyd Rigby and others whose efforts served to put this great area on the world's agricultural map. Today's experimental work centres around the Beaverlodge Station where Superintendent Stacey is ably carrying on the many activities started by his predecessor.

If it fulfills its early promise, Saunders will extend the northern boundary of Canada's high-quality wheat producing region, and it will take over where Marquis left off in establishing and maintaining an unexcelled place in the markets of the world. The plant breeders, pathologists and cereal chemists who have teamed in its development point out that in milling and baking qualities it is equal to Marquis, it is high in protein content, excellent in color and general appearance of the kernel, early in maturity and remarkably resistant to the common costly diseases. Taking into consideration all these apparent advantages, it is likely to replace profitably most of the Red Bobs and Garnet now grown in the North, since each of these has its marked shortcomings.

The present very limited supply of seed will be multiplied this year, largely at the Beaverlodge and Lacombe Stations, and it is expected that in 1948 many farmers will be able to try out the new variety for themselves.

★ ★

MANY stockmen this year have learned by bitter experience the importance of providing feed reserves to carry their cattle and sheep through a hard winter, and now is the time to avert a recurrence of losses next season. The spread of the combine has marked the passing of the strawstack, that landmark which in earlier years carried many a herd through to spring pasture, but there are plenty of superior substitutes. Plan now to seed a bigger acreage of one or more of the fodder crops. A few extra stacks next winter will be pretty good insurance if climatic history repeats itself.

BY arrangement between the Dominion government and the government of Alberta, a joint authority will be set up to administer the eastern slope of the Rocky Mountains within the confines of this province. This is a step of momentous importance as the area referred to is the main source of the water supply for the Western Canadian prairies. Both governments are to be congratulated upon reaching a friendly arrangement whereby this vital area can be intelligently conserved.

The eastern slope watershed forest of the Rocky Mountains is the most important single strip of forest treasure in the whole of Canada, according to Robson Black, president of the Canadian Forestry Association. He bases such a statement on the fact that the area governs the flow of virtually every river that waters the western plains. It is a citadel guarding the ramparts of the West's richest possessions — her irrigation, her hydro-electric power, the water levels of the wells on farms and ranches, and the even flow of the rivers.

Under the co-operative set-up between province and Dominion, the eastern slope will be placed under an efficient forest protection system and carefully developed so that an increasing forest growth will ensure the permanency of an abundant water supply for the great area stretched eastward beyond the city of Winnipeg.

★ ★

WHEN \$447,000 changes hands at a spring bull sale and fat stock show the Alberta purebred cattle business is in the big money and the Calgary annual event this year marked up new records in its long series of successes. What is more, their investments indicate a very sound confidence on the part of cattlemen in the future of their business.

By culling, selection and constructive breeding they are improving the general standard of their herds; they are taking advantage of present good markets for medium to low grade commercial stock and are looking ahead to the day when the demand may be more discriminating. When the present satisfactory British contract terminates, two courses are open to the Dominion government: one is to lift the barrier now imposed against beef cattle shipments to the United States; the other is to maintain present British prices as a floor level for beef sales on the domestic market. It is a good bet that this policy will be adopted. Following either or both of these courses will ensure a profit to the cattlemen for some years ahead and will vindicate the confidence of rangemen and farmers alike that there is money in breeding, raising and finishing good beef for market.



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## KEEP CONSTANT WATCH ON DAILY GROWTH OF BACON HOGS

**I**NFORMATION as to the average growth rate of Canadian bacon-type hogs is important to the farmer as an aid in measuring the success of his particular hog feeding management or breeding program. To obtain suitable information for a standard of growth, the hogs should be weighed at short intervals, preferably not exceeding two weeks.

From extensive experiments in Eastern Canada the average daily live-weight increase has been calculated for 183 Yorkshire hogs of related breeding, which were full fed typical rations in groups of four or five hogs each. Hogs in the 30-pound live-weight class showed an average daily rate of gain of almost three-quarters of a pound. This growth rate increased by about .14 pounds for each additional 10-pound increase in the average live weight of the hogs up to a weight of 70 pounds. That is, hogs at a live weight of 50 and 70 pounds made an average daily gain of one and 1.31 pounds respectively.

This rate of gain gradually increased during the period of growth from 70 to 200 pounds live weight. However, the rate of gain in this period did not increase as rapidly with each unit increase in the weight of the hogs as was the case with the lighter pigs. Hogs at a live weight of 120 and 170 pounds made an average daily gain of 1.50 and 1.72 pounds respectively. This rate of gain increased up to 1.90 pounds daily for hogs in the 200-pound weight class.

### Canadian Livestock Population Declines

According to the most recently announced figures, the population of livestock—cattle, sheep and horses—is on the decline. The Dominion Bureau of Statistics estimates that on December 1, 1946, there were 9,748,000 cattle on farms, compared with 9,960,000 on the same date in 1945. There was a decrease in all provinces except Quebec, where cattle rose from 1,799,800 to 1,847,600.

Sheep totalled 2,186,000, considerably below the 2,322,000 recorded December 1, 1945. Biggest declines were shown in the Maritimes and Western provinces.

Horses dropped 7.5 per cent—from 2,663,100 to 2,463,300. Greatest decreases were in the prairies.

### Cold Will Reduce Hatchability of Eggs

Many eggs collected for hatching have been ruined before they are packed by being allowed to get too cold in the poultry building. In cold weather many experienced breeders make a point of collecting the eggs four times a day and claim the hatchability is greatly increased thereby.

Contrary to generally accepted opinion eggs left in a nest all day where other hens are laying are not spoilt by pre-germination.

When storing hatching eggs prior to shipment to the hatchery do not place them in a cold basement. A temperature of from 55 to 60 F. is about right as a holding level, and a room slightly too hot is still preferable to a too low temperature.

### Beef Producers Urge Tax Change

**T**HE Council of Canadian Beef Producers, following a meeting in Calgary during spring show week, has written Hon. Douglas Abbott, minister of finance, urging that his forthcoming budget make provision for removal of discrimination in income tax regulations as they affect cattle breeders.

The cattlemen have long contended that their breeding stock or basic herds are capital assets and when sold should be regarded for tax purposes as capital rather than income. It is recalled that Hon. J. L. Ilsley, former minister, said last year that there was validity to this argument, and that a method of administering such a revised policy would be considered.

George Ross of Aden, chairman of the council, was appointed to a seat offered the organization on the board of directors of the Canadian Federation of Agriculture. At a meeting of the western section of the council four representatives to the main body were re-elected. They are Herbert Wiebe of Herbert, Sask., and Mr. Ross for three years; Leslie Cameron of Ashcroft, B.C., for two years and P. J. Rock, Drumheller, for one year.

### Delegates Named To World Conference

Six delegates have been named by the Canadian Federation of Agriculture to represent farmers of the Dominion at the International Federation of Agricultural Producers conference to be held at The Hague Holland, opening on May 12.

The conference will be a sequel to one held at London last spring when the federation was launched under the presidency of James Turner, head of the British Farmers' Union. Delegates include:

Alex Mercer, Vancouver, general manager, Fraser Valley Milk Producers; George Church, Calgary, president, United Farmers of Alberta; J. H. Wesson, Regina, Canadian Co-operative Wheat Producers; W. J. Parker, Winnipeg, Manitoba Pool Elevators; R. S. Law, Winnipeg, United Grain Growers Ltd., and H. H. Hannam, Ottawa, president of the C.F.A.

Mr. Hannam is a vice-president of the International Federation.

### USE SPECIAL FLUID FOR MARKING SHEEP

If you have to mark your sheep use regular sheep marking fluid. Too much wool is being spoiled by owners using paint for marking. Painted wool means loss and the producer certainly cannot afford to take the loss in price between painted and clean wool. There is a cheap marking fluid on the market which will not damage the wool and can be separated quite easily during the process of manufacture. The fluid is as easy to apply as paint. It will last about six months on the fleece and is available from most dealers in sheep supplies.



## Junior Farm Clubs Planning Busy Season

ORGANIZATION of junior farm clubs throughout Southern Alberta was completed recently and the clubs are actively laying plans for the season's work.

Officers of the various clubs have been named as follows:

High River beef calf club, president, Wilson Sutherland; vice-president, George Hurst; secretary-treasurer, Florence Sutherland. Thomas Black continues as club leader. The advisory committee consists of J. H. Sutherland and W. S. Morrison.

Bob Snodgrass is president and Bill Snodgrass secretary of the Okotoks calf-feeding club, which has 16 members. A. J. Haddon is club leader and the following are on the advisory committee: Alan Murray, Thomas Hebbon, Harry Wethem and Sheldon Kopas, Sr.

The Simons Valley beef calf club has William Wearmouth of Cochrane as president; Martha Smith as vice-president, and Walter Wearmouth as

secretary-treasurer. W. B. Biggar is club leader. G. P. Rattray, C. Oldfield, E. Thompson and G. Hall are advisory committee members.

Gene Rowland, Elaine Grant and Audrey Sutor, all of Blackie, are president, vice-president and secretary-treasurer, respectively, of the 1947 Gladys Ridge junior beef club. Andrew Groenevelde of Blackie is club leader.

The Balzac beef club and the Springbank and Bears paw dairy calf clubs will be operating again as well as the following additional wheat clubs: Conrich, Balzac, High River, Cayley and Nanton.

The Irricana club, whose 18 members will grow Red Bobs wheat this year, has the following officers: President, Jack Pobuda; vice-president, Robert Wright; secretary, Betty Gilbert, N. A. Macleod is club leader. The adult advisory committee consists of R. W. Wright, B. C. Hendricks and P. Irwin.

## New Indian Agents For Stoneys, Sarcees

J. E. Pugh, M.C., O.B.E., has been appointed Indian agent on the Stoney Indian Reserve at Morley effective February 15, and J. N. R. Iredale is



J. N. R. IREDALE J. E. PUGH

being transferred from Morley to become agent at the Sarcee Reserve, Calgary.

Mr. Pugh won the Military Cross while with the Royal Flying Corps in the 1914-18 war and was awarded the O.B.E. for service in the R.C.A.F. in the recent war. He has been agent at the Blood Indian Reserve at Cardston.

Mr. Iredale succeeds Dr. T. E. Murray at Sarcee, who retired as Indian agent and medical superintendent after 26 years in that capacity. Mr. Iredale had been Indian agent at Morley for seven years.

## Alberta Poultry Co-op Reviews Active Year

The Alberta Poultry Producers Co-operative during its 1946 operations handled 7,500,000 dozen eggs and 3,500,000 pounds of poultry. R. S. Johnson, the manager, told the annual meeting of delegates in Edmonton early in March. Representatives of the organization from all parts of the province were in attendance.

Mr. Johnson said that the hatchery division had handled 1,000,000 baby chicks and the egg drying plant manufactured 1,500,000 pounds of sugared egg powder for Britain.

A resolution passed by the dele-

gates asked the Dominion government to increase ceiling and floor prices on eggs and poultry in view of increased prices on feed wheat and higher costs of production.

Directors reported that distribution to producers at the end of the season totalled \$76,000 cash and \$96,000 in reserve certificates.

The delegates voted to increase their membership to 35 this year and re-elected Simon Roppel of Rockyford for district D, Karl V. Kappler of Strome for district B. The three other directors are: district A, Louis Normandeau of Winterburn; C, A. J. Rix, Wetaskiwin, and E, J. H. Rhodes of Brant.

## Saunders Valuable New Wheat Variety

STILL another new and valuable variety of wheat for which prairie farmers in northerly areas have long been waiting has been licensed — Saunders wheat.

The prime characteristic of this new variety is its earliness, its ability to escape damage from early frosts. It is almost as early as Garnet. In Northern Alberta, Saunders yields as high as Thatcher and higher than Red Bobs. It does not yield quite as well as Thatcher, however, in Manitoba and in most parts of Saskatchewan. The milling quality of Saunders is equal to Marquis, and it has a better kernel color and bushel weight than Thatcher. Saunders has good strength of straw and is resistant to stem rust and loose smut, is moderately resistant to bunt, but moderately susceptible to leaf rust. All in all a most valuable variety for our prairie farmers in northerly areas, and so Saunders is expected to replace Red Bobs and Garnet in most areas where these varieties are now in use.

This wheat was developed at Ottawa, under the direction of J. C. C. Fraser, and under the general supervision of Dr. L. H. Newman, Dominion Cerealists. As are Redman and Rescue wheat, Montcalm barley and Garry oats, so is Saunders an outstanding victory for Dominion plant breeders, which will add millions of additional dollars to prairie farmers' yearly income. Seed of Saunders for general use will be available in about two years.

*This System outlived the TOTAL lives of four other makes*

A totally independent testing organization put five makes of shallow well water systems through severe breakdown runs. The Fairbanks-Morse unit outlasted not only the four others individually, but actually the total of the other four combined.

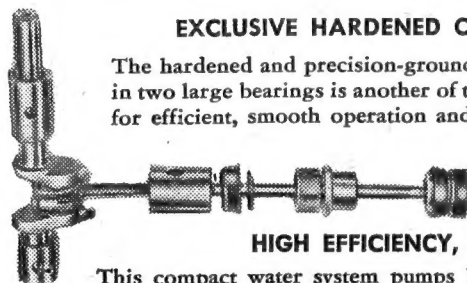
## FAIRBANKS-MORSE SHALLOW WELL WATER SYSTEMS

For lifts of 22 feet or less

SELF-OILING • DOUBLE-ACTING • SELF-PRIMING

A water supply system is an important investment, both in dollars and in the service which you should get from it. You want to get the full supply of water you need, and to have it for as many years as possible without breakdown. Every Fairbanks-Morse unit carries a tag showing, not just the rated capacity, but the actual delivery of water to the tank, certified by an independent laboratory.

The unit illustrated supplies 250 gallons per hour, but larger sizes are available delivering up to 580 gallons.



### EXCLUSIVE HARDENED CRANKSHAFT

The hardened and precision-ground crankshaft, running in two large bearings is another of the important reasons for efficient, smooth operation and prolonged life.

### HIGH EFFICIENCY, TOO

This compact water system pumps both on the forward and the backward strokes of the piston assuring smoothness and equalizing the load on the motor. This gives still greater efficiency and longer life.

## FAIRBANKS-MORSE FARM EQUIPMENT

See your nearest FAIRBANKS-MORSE dealer today, or write:

WATER SYSTEMS.....	<input type="checkbox"/>	The Canadian FAIRBANKS-MORSE Co., Limited Winnipeg • Regina • Saskatoon • Calgary Edmonton • Vancouver (Send this coupon to nearest branch) Please send me information on the items indicated. Name..... Address..... FR-2
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GRAIN GRINDERS.....	<input type="checkbox"/>	
WINDMILLS.....	<input type="checkbox"/>	
WIND CHARGERS.....	<input type="checkbox"/>	
ELECTRIC FENCES.....	<input type="checkbox"/>	
HAND PUMPS.....	<input type="checkbox"/>	
WATER SOFTENERS.....	<input type="checkbox"/>	
WASH MACHINES.....	<input type="checkbox"/>	
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## SPEED and PROFIT IN THE DAIRY WITH A Renfrew TRADE MARK Reg'd

The labour-saving Renfrew cuts time and effort in half. The waist-high supply can for easy, strain-free lifting—the easy turning crank—are but two of many exclusive features of the Renfrew Cream Separator. The clean skimming Renfrew has greater capacity and longer life—gives more cream and butter at half the upkeep cost. Ask your Renfrew District Representative

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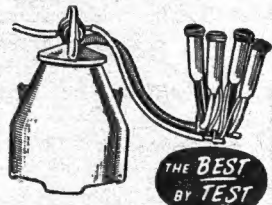
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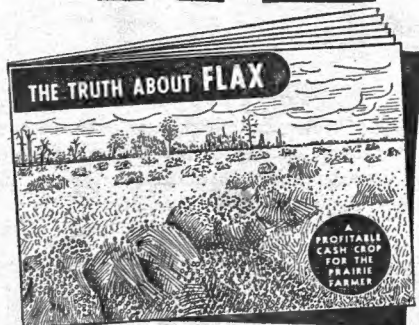
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All information contained in "The Truth About Flax" has been approved by the Dominion, Manitoba, Saskatchewan and Alberta Departments of Agriculture.

## New Barley Varieties Tested For Feed or Malting Trade

WHEN given an equal opportunity, more pounds of grain can be produced from barley than from any other grain. Barley matures in less time than wheat or oats, and this early maturity makes possible extra spring cultivation to grow out the weeds. With its extensive root system and flourishing top growth, barley is a desirable competitive crop for weed control.

Barley is used for many purposes. As a feed crop, it will make possible the hog production so urgently required. As a cash crop it may be sold direct for malting.

Two new varieties of barley attracting attention in the prairie provinces at the present time, have been under comparative tests for several years past at the Dominion Experimental Farm, Indian Head, Sask. One is Titan, a variety suitable for feeding only and the other is Montcalm, suitable for both feeding and malting. Both are six-rowed, smooth-awned sorts.

Titan has very strong straw and an upright habit of growth making it an excellent combine barley. It also shows resistance to loose smut. Montcalm does not possess these characters, its straw being moderately weak and it is susceptible to loose covered smut. However, it has the distinction of being the first smooth-awned variety with sufficient malting quality to be suitable for the Canadian malting trade.

Montcalm is not a good combine variety but swathing would overcome this fault. Apart from its smooth awns, Montcalm resembles very closely the standard malting variety O. A. C. 21. However, it yields better and tends to have a better bushel weight. At the Indian Head farm Montcalm has outyielded O. A. C. 21 in every one of the tests where they have been grown together. For instance, in 1946 the yields were, Montcalm 42.7 bushels to the acre; O. A. C. 21, 34.2. Over the past four years, Montcalm has averaged 51.9 bushels to the acre against 38.0 for O.A.C. 21. However, it has taken two days longer to mature.

Titan, as a feed variety is compared here with the widely adapted, high-yielding, red variety, Plush. The straw of Plush is moderately strong but after ripening is subject to breaking over. Nevertheless, it can usually be combined satisfactorily as the heads do not break off readily at the neck. In 1946, Plush yielded 51.1 bushels to the acre and Titan 47.7. In the four-year average Plush yielded 58.2 bushels to the acre while Titan yielded 54.9, but Plush was five days longer in ripening.

### Growing Malting Barley

USE pure seed of recommended varieties. Plant a seed plot on every farm. Registered and Certified Seed are the purest obtainable and the freest from weed seeds, disease and other grains.

Treat seed using Ceresan or other equally effective mercuric dust.

Sow shallow. Sow no deeper than necessary to get seed into moist soil.

Sow early. But if the land is weedy, one crop of weeds should be destroyed before seeding barley.

Rate of seeding. Seeding about 1½ bushels per acre gives the best sample

for malting in the areas most suitable to this crop.

See that your grain is ripe before cutting, swathing or straight combining.

Where the binder is used, stook carefully to allow the sheaves to dry and yet protect them from the rain. Cap the stooks if necessary.

Combine or thresh barley as soon as dry and if possible before it is weathered.

Special precautions to avoid breaking and peeling of the kernels when threshing or combining are:

(a) Adjust sieves to ensure least possible return to the cylinder. (b) Have no end play in the cylinder. (c) Have proper clearance in all augers. (d) Set concaves down at least half-way. (e) Use only one or at most two rows of teeth. (f) Thresh in the early morning, not when dry and hot. (g) Slow down the speed as low as possible. 100 r.p.m. below normal. (h) Feed sheaves butt-end first. (i) Where much barley is being threshed, change the cylinder pulleys to slow down the speed of the cylinder only.

## Seedtime And Harvest

By DR. F. J. GREANEY

Director, Line Elevators Farm Service,  
Winnipeg, Manitoba

MORE farmers in Western Canada should realize that seed treatment is a sound, practical and profitable farm practice. Unfortunately, a large proportion of the seed grain sown in Western Canada each year carries disease-producing organisms, or is damaged by weathering or threshing. Therefore the best advice we can give to prairie farmers is this. Unless seed of wheat, oats, barley and flax is known to be disease-free and undamaged, seed treatment is necessary and strongly recommended.

Today, the organic mercury dusts (Ceresan, Leytosan, etc.) are generally recommended for use on seed of wheat, oats, barley and flax. Covering the seed with an organic mercury dust has a two-fold effect.

(1) It controls surface-borne smut (not the loose smuts of wheat and barley), and reduces the losses caused by seedling blight and certain root rots.

(2) It gives the seed, when sown, considerable protection against the attack of soil-inhabiting organisms that may rot the seed or cause seedling blight.

Formalin is not recommended for seed wheat. Under no conditions should it be used for the hullless varieties of oats and barley.

### SEED TREATMENT FACTS. —

(1) To obtain the best results from any mercury dust treatment the seed should first be thoroughly cleaned.

(2) For small grain crops the rate of application is one-half ounce per bushel of seed; for flax the rate is one and one-half ounces per bushel.

(3) After treatment the seed should stand uncovered or in sacks for at least 24 hours before planting (7 days is preferable for oats and barley).

(4) Seed may be treated two months in advance of sowing.

(5) The organic mercury dusts are poisonous. Observe the precautions given on the label of the dust container.

(6) Seed treated with an organic mercury dust should not be sold for commercial purposes or fed to livestock.



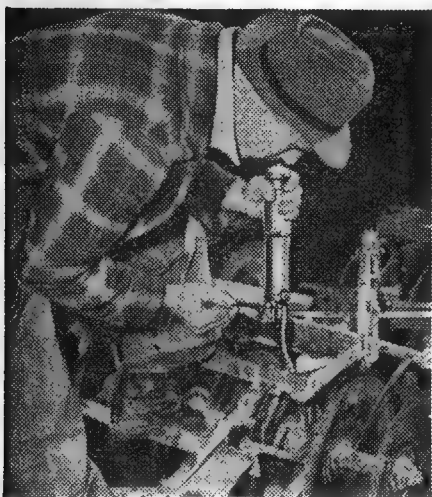
# You can See for Yourself

## Texaco Marfak Lasts Longer in the Bearings that Take the Worst Punishment

Thousands of Canadian farmers get prompt and friendly service from McColl-Frontenac representatives. Efficient and economical operation of farm equipment results from their use of Texaco and McColl-Frontenac petroleum products.



The coulters bearing of a plow is exposed to water and dirt and operates under heavy pressure. As you pump in Texaco Marfak lubricant you clean and lubricate the bearing, leaving a "collar" of Marfak around the bearing edges, effectively sealing out dirt and moisture.



Bearings of the disc harrow also operate in dirt and are exposed to water wash. The harrow jolts and jars as it moves across the field subjecting bearings to sudden hammer-like blows. A lubricant that can cushion these blows and stay on the job longer is Texaco Marfak.

You can prove to yourself which lubricant is most resistant to jar-out, wash-out, squeeze-out or melt-out of vital farm machinery bearings.

Just pump Texaco Marfak into one of the bearings of your disc harrow until it forms a "collar" around the bearing edges. In another bearing of the harrow, pump in the lubricant you usually use. After you've operated the machine, you'll see that Texaco Marfak stays on the job longer, gives greater protection. More and more farmers find that it pays to farm with Texaco Marfak and other Texaco and McColl-Frontenac products because they keep equipment operating efficiently at low costs.



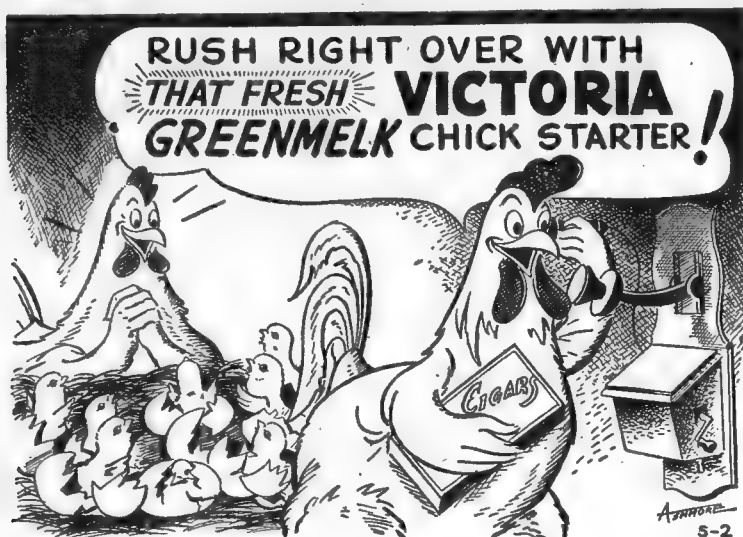
Another delivery of Texaco and McColl-Frontenac farm fuel means smooth, economical performance of this farmer's car, truck or tractor.



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\* Scientific laboratory tests prove that Greenmelk promotes 25% quicker growth - more leg color - better feathering - sturdier bodies.



## New Soil Culture Methods Superior to Summerfallow

THE fourth annual Agricultural Short Course, sponsored by the Edmonton Chamber of Commerce and the Provincial Department of Agriculture, drew a general attendance of 200 farmers for the three-day sessions. New techniques in cultural practices which have been proven by the fields crops branch to be very effective in killing weeds, retaining fibre in the soil, restoring fertility, without adoption of the old summerfallow methods and the dangers of soil drifting and erosion, were described to the farmers by Harry J. Mather, supervisor of soil and weeds.

When cultural practices were adjusted to kill weeds in cereal crops and commercial fertilizers used to hasten growth, heavier gains were secured than were reaped from adjoining field on which one of the new weedicides was applied. In the case of wild mustard in barley ground, 30 pounds of ammonium phosphate 11-48 was applied per acre with post-feeding cultivation. The seed barley was sown  $3\frac{1}{2}$  to 4 inches deep, watched carefully and when white sprouts one inch long appeared on the kernels, the field was cultivated with a rod weeder set for two inch penetration. This killed off the young weeds and they gave no opposition when the barley crop came through.

Olli barley was sown early and lightly with fertilizer where Canada thistle was a serious competitor with the crop. By the aid of fertilizer the barley was up and cut before the thistle was in bloom. Weakened by this treatment, thistle plants were easily killed by two or three fall cultivations which proved quite as effective against thistle as a whole season's summerfallow with the loss of a crop.

Excessive cultivation, such as summerfallow practices gave, tended to remove too much fibre from the soil and leave the land easily attacked by wind or water erosion, said Mr. Mather. He advised use of implements that will hold as much trash as possible near the surface. Stubble or straw scattered by the combine harvester should be so used, also more forage crops grown in rotation, especially grasses with fibrous roots.

Farmers should make a detailed study of their real implement needs and not be swayed by what the neighbors bought or a nice paint job, advised G. N. Denike, agricultural engineer and assistant superintendent, Swift Current Experimental Station. The type of cultural practice and harvest methods should be considered in a survey of actual needs. Most farmers were over-stocked with implements, he contended.

Mr. Denike discussed in details various types of farm machinery. He warned against the trend among some farmers to use equipment that excessively pulverized the soil and leaves it subject to easy and rapid erosion. Asked about a new type of tiller favored in the Southern States, he asserted it was not suited to northern prairie conditions, was much more costly than the duckfoot cultivator which does a better job here.

SPEAKING on "Livestock Utilization of Tonnage Crops," Prof. J. P. Sackville, described repeated feeding experiments conducted at the University of Alberta. These had shown that beef cattle raised on a mixed farm could make profitable use of pastures, hay and roughages with a minimum of grain in a program of finishing beef cheaply with a minimum of labor.

Such was furthered by the use of cover crop sown in mid-July and pastured sixty days in the fall.

"Economic Aspects of Livestock Production," were reviewed by Dean R. D. Sinclair. He quoted from long-time records of comparative prices of feed grains and livestock markets at Edmonton. On a live basis over 26 years a pig was worth approximately \$21 on the average, something with which to gauge possible future returns for grain marketed through livestock.

W. H. T. Mead, supervisor of livestock breeding associations, told of artificial insemination as a speedier means of building up producing strains in the dairy herd. Dr. Ross Walton, assistant provincial veterinarian, discussed animal diseases and best methods of treating. Newer methods of prevention of some bothersome diseases were reviewed.

Forage crop seed production having been quite attractive of late, due to higher prices and enlarged demand, J. E. Birdsall, provincial supervisor, told of production methods and harvesting of the seed crop. Linked with this was a talk by Howard P. Wright, president of the Alberta Seed Growers association, on market demands for forage crops. Mr. Wright also reviewed the market for cereal seed.

Fred H. Newcombe, supervisor of district agriculturists, talked of "Your District Agriculturist," and the services they extended to farmers. There were now 34 assisting in the direct application of science to agriculture. Describing the long hours put in by D.A.'s, he said it was discouraging at times when they made long trips over miles of difficult road conditions to attend a farm meeting only to find a few living close at hand bothered to turn out.

Fertility of the soil was being endangered by careless and improper tillage and cropping, he said, and as the public conscience was aroused, farmers had best seek and follow better practices lest they lose their freedom in the matter as farmers had in several countries. A real danger threatened, warned Mr. Newcombe and the natural resources of the soil must be preserved, not wantonly wasted. He appealed to the good farmers who were generally the type that attended farm meetings, to accept some responsibility regarding land tillage and cropping practice by others whose activities menaced soil resources of the country.

G. W. Northfield, inspector of income tax, talked of "Income Tax and the Farmer" with relation to the new scheme for taking an average net worth basis. While five per cent depreciation is allowed on farm buildings and machinery, none is allowed on land, he said. Farmers planning to claim an average income as a tax basis, must see that annual returns are filed on time, said the inspector. Costs of operating the farm will be deductible but costs of feeding the farmer and his family may not be deducted from taxable income. Where a wife earns more than \$250 in 1947, but has not more than \$660 to make her taxable as a single person, any income she receives in excess of \$250 is added to the farmer's taxable income. Livestock purchased is a capital investment but any sold adds to the income. Wages actually paid to a farm wife or member of the family is deductible income. Receipts from a dispersal sale of livestock may be averaged over a term.



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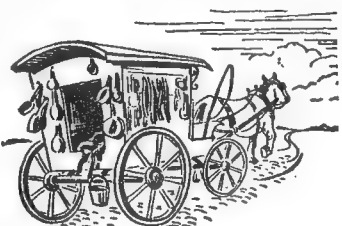
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## Dates Listed For Stampedes

DATES for 30 stampedes to be held in Saskatchewan, Alberta and British Columbia this year were set when the Canadian Stampede Managers' Association met in Calgary early in March. Dates of several others remain to be set.

Herman Linder of Cardston was re-elected president of the association. Irving Hanson of Swift Current continues as first vice-president, Dick Cosgrave of Rosebud as second vice-president and J. Charles Yule of Calgary as honorary secretary-treasurer.

Details of a new policy on choosing judges, to be submitted to the Cowboys' Protective Association, were drawn up. Each of the member associations will submit names of five acceptable judges. This list will then be passed on to the C.P.A., which will prepare from it a list of at least 25 which are acceptable to it. The associations will then be free to pick from that list.

The following dates were confirmed:

Benalto, July 15, 16.  
Big Valley, July 30.  
Cardston, July 15, 16.  
Clareholm, June 27, 28.  
Eastend, Sask., June 25.  
Grande Prairie, August 6, 7.  
Kikino, B.C., July 3, 4.  
Holden, June 11.  
Lethbridge, July 3, 4.  
Luseland, Sask. July 1.  
Macleod, June 30, July 1.  
Nanton, June 24, 25.  
West Peace River Bridge, B.C., July 3, 4.  
Ponoka, June 30, July 1.  
Raymond, July 1, 2.  
Rosemary, July 16.  
Stettler, July 22, 23.  
Vulcan, July 18, 19.  
Gleichen, June 11.  
Sarcee, July 1.  
Coronation, July 25, 26.  
Leader, Sask., June 11.  
Maple Creek, Sask., June 23, 24.  
Swift Current, Sask., July 1, 2.  
Assiniboia, Sask., June 27, 28.  
High River, July 2.  
Coleman, May 1, 2.  
Pincher Creek, July 30.  
Morley, July 1.  
Hand Hills Lake, June 18.

## Record Payments Under P.F.A. Act

Payments made by the Dominion Government under the Prairie Farm Assistance Act for the 1945-46 crop year were a record \$16,954,217. A report on its activities said drought areas were the most extensive since the act was drawn up in 1939. The payments were \$1,443,198 greater than those for the 1941-42 crop year which previously ranked highest. They were \$6,529,000 above the six-year average. Both Saskatchewan and Alberta qualified for the higher schedule of awards payable under the crop failure section of the act in townships having an average yield of wheat of five bushels or less to the acre. Manitoba had better than average crop returns and had only eight townships and two part-townships eligible for payment.

The number of awards and total expenditure in Manitoba were less than in any previous year except 1943-44.

A total of 2,128 townships were found eligible for payment, including 1,357 in Saskatchewan and 763 in Alberta. The total number of awards was 62,751.



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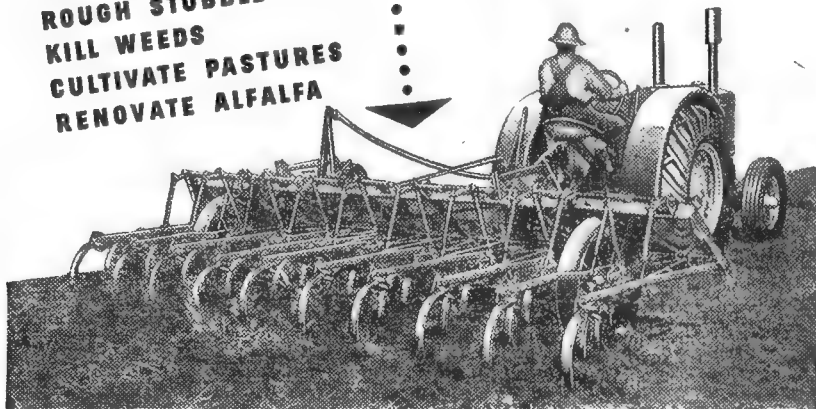
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Advanced design and construction are the secret of the Model "CC's" better work. Wheels inside the frame permit cultivation close to field obstructions and fences. Teeth can be individually adjusted for shallow, medium, or deep penetration. Tooth spacing can be changed from 6 to 9 inches to provide more clearance in trashy conditions. Positive power lift and screw depth regulator enable you to boss the tillage job from the tractor seat.

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## Breeders' Notes

### W. J. Edgar Heads Alberta Cattlemen

Wilfred J. Edgar, well-known Innisfail Hereford breeder, was elected president of the Alberta Cattle Breeders' Association for 1947 when a well-attended meeting of members chose directors during the Calgary Spring Show. He succeeds C. C. Matthews of Calgary. Walter McCollister of Dalroy was named first vice-president and Roy Ballhorn, Wetaskiwin, second vice-president. J. Charles Yule was re-appointed secretary-treasurer. Mr. Edgar will represent the association on the western section of the Council of Canadian Beef Producers.

The new directors are: representing the Hereford breed, Charles Bull, Calgary; Mr. Edgar, John Wilson, Sr., Innisfail; S. P. Gould, Rosalind; R. W. Bond, Irricana; and W. A. Crawford-Frost, Nanton; representing the Shorthorn breed, John Cross, Nanton; A. J. Hadden, Okotoks; W. D. MacDonald, Grainger; W. L. McCollister: representing the Aberdeen Angus breed, Mr. Ballhorn and Mr. Matthews.

A satisfactory financial statement was presented and officials reported that the past year had been a highly successful one and expressed optimism for the coming season.

A resolution expressed thanks to the federal health of animals branch and Dr. V. V. Christie for additional inspection service which permits accreditation of more herds from which animals become eligible for shipment to the United States. This, it was agreed, had greatly added to the success of the current bull sale.

### R. W. Bond Succeeds Wilson as Secretary Of Hereford Breeders

Retiring from office after serving as secretary-treasurer of the Alberta Hereford Association for 21 years, John Wilson, Sr., of Innisfail will be succeeded by R. W. Bond of Irricana. At the annual meeting of the association held in Calgary during the spring show and sale, Hugh Francis of Carstairs was elected president, succeeding W. A. Crawford-Frost of Nanton, and J. A. Paul, Okotoks, succeeds to the vice-presidency.

Directors for 1947 include Mr. Crawford-Frost, S. P. Gould of Rosalind, Charles Bull of Midnapore, Mr. Wilson, Charles Jones of Balzac and W. J. Edgar, Innisfail. Mr. Wilson in submitting his final report pointed out that membership among Hereford breeders in the province now stands at approximately 800, compared with 176 in 1939 and 17 when the organization was formed in 1917, and that there has been a remarkable growth in registrations and a steady improvement in the quality of animals contributed to shows and sales and sent to the commercial market.

Members of the association and their friends attended the annual dinner held in the Palliser hotel on March 20. Welcomed as special guests were a number of American buyers attending the bull sale.

Hog prices in the United States probably will continue at or near the present high levels through the summer, says the U.S. Department of Agriculture.

DOMINION Live Stock market reports show a decline in swine marketings in 1946 for every province in Canada. The difference between the two largest swine producing provinces, Ontario and Alberta, is striking. In 1945, Alberta marketed 1,946,159 hogs — the largest number from any province in the Dominion. Ontario was a close second with 1,806,900. In 1946 Ontario showed a reduction from the previous year of 2% only, while Alberta's marketings dropped 35.7%.

There are provinces where the percentage of decline has been greater than in Alberta, but the comparatively large numbers of swine produced in Ontario and Alberta make any marked reduction in either of these provinces of serious consequence. Alberta's percentage of Dominion marketings was 33.2 in 1945 compared with 28% in 1946.

Renewed interest among the farmers of Alberta indicates that the low has been reached and that in 1947 increases in swine marketings from this province may be expected.

Roy Ballhorn of Wetaskiwin, well known Aberdeen Angus breeder made some good sales recently. He delivered a herd bull, Erica Grenadier G.R. 4, to L. B. Pierce of Creston, Illinois. The price was \$3,000. He also sold Woodlawn Bandolier to Norman Smith of Denver, Colorado, for \$1,000. The bull was Aberdeen Angus champion of the 1942 Calgary spring show. His best sale was to Walter Ferguson of Cheyenne, Wyoming and this U.S. breeder has purchased Woodlawn Bandolier the 10th for \$5,000.

R. V. McCullough of Red Deer was re-elected president of the Alberta Aberdeen-Angus Association at the annual meeting held during the week of the Calgary Spring Show. M. W. Gibb of Killam was returned as first vice-president, C. C. Matthews of Calgary as second vice-president and H. E. Wilson of Lacombe as secretary-treasurer.

Following are the new directors: J. A. McBride, Benalto; C. D. Flint, New Norway; J. Dobinson, Clive; R. Ballhorn, Wetaskiwin; J. G. Barkley, Twining; R. A. Warren, Warner; Harry Grant, Lacombe; Orrin Hart, Claresholm; W. E. Cross, Vermilion; S. J. Henderson, Lacombe; H. A. Spiller, Daysland; R. A. Swanson, Scandia.

A list of judges was nominated to place Angus entries at Calgary and Edmonton summer exhibitions in 1947 and spring shows in 1948. Members of the association voted continued grants to calf clubs in the province and laid plans to hold two field days during the coming summer.

### Changes Arranged In Hereford Records

The Canadian Hereford Association has announced that as a result of negotiations with the American Hereford Association, descendants of the cow Pauline —647— and the cow, Brenda —1657— will now be accepted for transfer to the American Record when purchased by an American buyer. The manner of facilitating the first of these transfers is now under consideration, Secretary D. A. Andrew stated recently.

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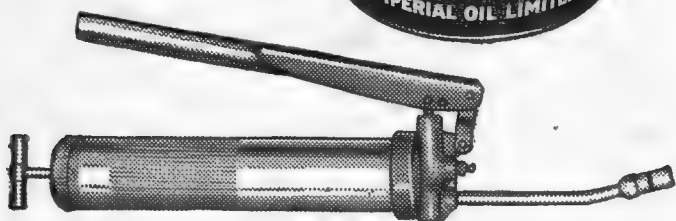






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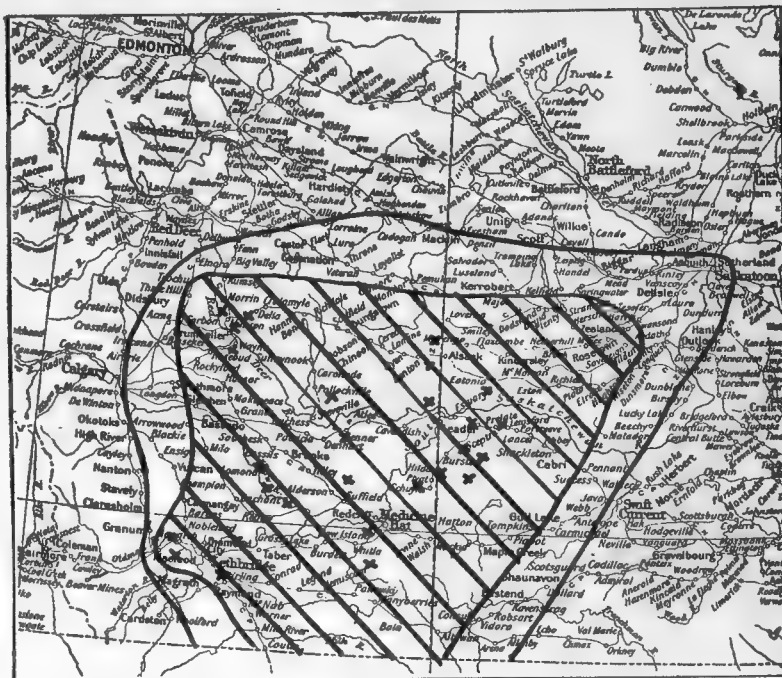
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## Cutworms Threaten 1947 Crop Losses



The cross-lined section on the above map indicates the area in which severe cutworm infestation is probable in 1947 unless the season is very wet. The outer line includes territory of probable light and patchy infestation unless the coming season proves very dry. The (x) marks show points where known damage occurred in 1946 and where most severe loss is anticipated this year. — Photograph and map by Division of Entomology, Dominion Department of Agriculture.

SINCE the early days of farming in Western Canada one of the hazards of crop production has been the periodic outbreaks of pale western cutworm, *Agrotis orthogonia* Morr. During outbreak seasons thousands of acres of grain were destroyed each year. From 1930 to about 1935 crop losses were extremely high in Alberta and Saskatchewan. Many farmers had their entire crop eaten off and in many instances fields were reseeded several times and often several seedings were lost.

Following the wet season of 1942 this insect ceased to be a troublesome pest to prairie grain growers. In 1944, however, scattered reports of pale western cutworm damage were received. As rainfall conditions became more nearly normal, cutworms began to show up again over a wider area. During 1946 severe damage occurred at Drumheller, Lethbridge, Medicine Hat and Empress, Alberta. At the same time considerable damage to wheat acreage was reported from Leader, Fox Valley, Mantario and Laporte in Saskatchewan.

Dominion entomologists, in their annual forecast, predict that during 1947 the pale western cutworm will cause widespread damage and loss to crops over a wide area of Alberta and Saskatchewan.

### Life History

The pale western cutworm is the larval stage of a moth, or "miller" which usually flies from about August 10 to September 15. During the moth flight, the females lay their eggs in loose, dusty soil. The eggs usually remain unhatched in the ground until spring. Hatching takes place soon after the frost leaves the ground. Newly hatched cutworms are almost

colorless and about  $\frac{1}{8}$  inch in length and are able to live in the soil for several weeks without food.

The cutworm larvae commence feeding when vegetation starts to show above the ground surface. In the early stages the cutworms feed largely above ground and below the surface in the later stages. They feed throughout May and the first half of June. When they are full grown they are about  $1\frac{1}{2}$  inches long. They then form small cells in the ground and enter a resting change, when no further feeding takes place. They finally change to dark brown pupae from which the moths later emerge. The moths begin to fly about in search of food and loose, dusty soil for egg-laying about the first week in August.

(Continued on Page 25)



Pale Western Cutworm on goldenrod.



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SECOND ANNUAL

## National Barley Contest

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### WESTERN CANADA DIVISION

Open to all farmers in the malting barley areas of Manitoba, Saskatchewan, Alberta and the Peace River block in British Columbia.

**TOTAL CASH PRIZES - \$18,750.00**

Plus 120 awards of 10-Bus. Reg'd Seed  
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**FIRST PRIZE - \$1,000.00**

**Second Prize - \$500.00**

**3rd Prize - \$300 4th Prize - \$200**

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12 Provincial Prizes 120 Regional Prizes

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Eastern Canadian Division - \$6,250.00 Total Prizes

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### 1946 COMPETITORS PLEASE NOTE:

Full list of 1946 National Barley Contest winners will be published following the awarding of Inter-provincial prizes at Manitoba Winter Fair, Brandon, Manitoba, Mar. 31st.

### NATIONAL BARLEY CONTEST COMMITTEE

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## Editorials by PRACTICAL OBSERVERS

WHEN Graham Towers, governor of the Bank of Canada, recently stated that Canada's cost-of-living index had risen from the basis of 100 in August, 1939, to only 126 at December, 1946,

### That Cost-of-Living Index

there were a lot of housewives who came to the conclusion that a kitchen was a better place to judge the increase in the cost of living than the inner sanctum of a national bank.

If housewives who have to stock the family larder have any doubts on that score, husbands who pay the bills or finance the family budget are to be excused if they question the methods by which these periodical indexes are prepared.

Most housewives are agreed that it is not just the cost of tea, sugar and clothes pegs that combine to exhaust the family income, but the cost of dozens of little items that are now anywhere from 50 to 100 points higher than in the prewar days. In other words, there are hundreds of items not included in the cost of living index which have risen well over 50 points since 1939.

It has been officially admitted that the American dollar of 1939 is only worth 60 cents in present-day purchasing power and while Mr. Towers would have us believe that the Canadian dollar of today is still worth around 80 cents, we can only retort that he should try his hand at buying a pound of shortening, a jar of peanut butter or a packet of raisins, on that basis.—North Battleford Optimist.

OF extreme importance to the future of Alberta is the news that the provincial and Dominion governments have agreed on a plan for conserving the forest covering the east

### Conservation Agreement

slope of the Rocky Mountains. Not only will timber cutting be regulated and fires controlled, but by the rivers which march eastward into Hudson's Bay the future of irrigation will be vitally affected.

The announcement that \$6,300,000 is to be spent is not much more important than the fact that a commission will be set up with full authority and power to implement its decisions. Too often in the past officials have known what ought to be done but have lacked authority to proceed. Frequently there has been no agreement between the two governments and that has forestalled any action. But these barriers in the way of proper conservation of the east slope watershed have now been cleared, and action can be expected.

Congratulations, Edmonton and Ottawa.—The Calgary Albertan.

THE proposed legislation, introduced in the Senate, to distribution of oleomargarine in Canada is so untimely as to be really absurd. It is

### Manufacture of Oleomargarine

prompted, no doubt, by the shortage of butter and this, as everyone should know, is due to wartime regulations that channeled milk into factories

other than creameries. The production of milk actually increased in war-time and farmers who are universally acclaimed for a magnificent war-time job would be rewarded by the Senator from Waterloo County, Ontario, by giving consumers a cheap substitute made from imported vegetable oils. The proposed legislation is untimely because there are no vegetable oils or fats from which to make oleomargarine. The shortage is more severe this year than in 1946. When oils will be available in quantity no one knows.

When the food crisis is a thing of the past and the Canadian economy is back to something like normal will be a more appropriate time to debate the oleomargarine question and decide whether we want to ditch the dairy industry and spread cheap vegetable oils on your bread. — Farmer's Advocate, London, Ont.

THE Hutterites are thrifty, hard-working people. Not one of them was ever on the relief roll during the depression. They are law-abiding and are, generally speaking, skilled farmers. They could become

### The Hutterites' Responsibilities

real citizens of Alberta, good Canadians. We are quite sure that Albertans would welcome their remaining here if they would accept the responsibilities of citizenship along with its guarantees. Surely they should be able to find it possible to announce their willingness to depart from custom sufficiently to assimilate with the Canadian way of life in order to continue their enjoyment of the freedoms which Canada guarantees. — Lethbridge Weekly Herald.

No wheat fit for human consumption is permitted to be sold to distillers or other processors or manufacturers of alcohol in Canada. An order-in-council to that effect was passed on January 9, 1947.



Dr. Leopold Bourque, B.A., B.S.A., M.Sc., Ph.D., above, has joined the technical staff of the Green Cross division, the Sherwin-Williams Co. of Canada Limited, it has been announced. In his new position, Dr. Bourque will assist in the expansion of Green Cross Insecticide service to the Canadian farmer.



# CERESAN

Treating seed grain with CERESAN pays dividends in better stands and yields. Yes—and costs only 3¢ a bushel. CERESAN controls seed-borne bunt or stinking smut of wheat—loose and covered smut of oats—barley stripe and covered and black loose smuts of barley. CERESAN is easy to apply, does not clog or damage drill. This year—every year—cut losses from smut dockage, seedling blight, root rot, by treating seed with CERESAN.

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Comes in handy pocket size with clip. Can be turned into ladies' model by merely removing clip.

- writes fine, medium or heavy according to pressure.
- No cap to lose.
- never leaks.
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- writes through 6 to 8 carbons.
- Lifetime Service Guarantee given in writing with each pen.

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## New Tool Makes Money for Farmers

Highly paid experts save big business men money and headaches on their Income Taxes. The Science-Simplex Farm Record and Income Tax Guide now offers Canadian farmers the same type of money-making suggestions and a special study of their special Income Tax problems at less than the price of a hat.

It is a brand new tool that will make money for the progressive farmer. One user writes: "Your tax guide made me over one hundred dollars."

Tax officials, bankers and farmers who have examined this system declare it is by long odds the best and simplest ever devised. If you find that a school child able to read, write and do simple addition can not keep this record, we guarantee to refund you your money. By adding up 11 simple columns of figures you get all the answers needed for your Income Tax returns.

This system fits any farm regardless of size or type of produce. It is sold in drug stores and stationers from coast to coast. If your dealer can not supply you at once, simply send your personal cheque for \$4.50 to

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Box 536, EDMONTON, Alberta

## \$1,500,000 Fund For Irrigation

AN increase of \$1,250,000 for special work such as prairie farm rehabilitation and irrigation and assistance to certain basic industries is the major jump in 1947-48 estimates for the Dominion department of agriculture.

The department's estimates for 1947-48 totalled \$23,202,947, an increase of \$2,349,136 over the \$20,853,811 voted for the 1946-47 fiscal year. The rest of the increase — \$1,224,135 — was spread through the various services of the department including a jump of \$559,995 in the production service.

In the special category \$1,500,000 was provided for the St. Mary's River dam project in Southern Alberta which will provide irrigation for thousands of acres of land. The project now is under way.

The section was headed by \$3,000,000 for Prairie Farm Rehabilitation Act work and for water storage in the prairie provinces.

Expansion of the department's science service and its experimental farms services were reflected in increased grants in both categories. A total of \$3,479,630 was provided for science, up \$240,069 from last year and \$4,100,246 for experimental farms, a boost of \$297,648.

The production service, taking in such activities as animal health, control of contagious diseases, grants to fairs and aid to plant productions, including a \$31,000 grant to the Canadian Seed Growers' association, got \$4,792,756. This compared with \$4,232,760 in the last fiscal year.

## Agricultural Students Hold Annual Field Day

The first annual field day for students in agriculture was held at the University Farm on March 15. Classes judged in plant science work consisted of barley and weed seed identification and a general examination on plant science was included. In animal science the classes included beef cattle, dairy cattle and swine carcass judging. Donald Dabbs of Forestburg, won the plant science award, the prize for animal science being won by George S. Hughes, Vegreville, who also won the grand aggregate cup donated by the Faculty of Agriculture.

Prizes awarded in the classes in plant science were donated by Canada Malting Co. Ltd., Alberta Seed Growers' Association, National Grain Co. Ltd., and North West Line Elevators' Association, while prizes in the classes in animal science were donated by Swift Canadian Co. Ltd., Edmonton City Dairy Ltd., Canada Packers Ltd., and Western Stockyards Ltd. Representatives of the companies presented the prizes at the annual Agricultural Club banquet held March 18. It is proposed to make the field day an annual event at the University.

## Continue National Barley Competition

The national barley contest, sponsored by the government in co-operation with the Canadian malting industry, will be continued in 1947. The malting industry plans to establish an organization known as the Barley Improvement Institute of Canada which will conduct research work in plant breeding designed to improve and increase barley production throughout the Dominion.

## WINTER and SUMMER

KEEP YOUR LIVESTOCK  
FREE FROM INSECT PESTS

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• In winter it's lice... in summer, flies... without protection from insect pests the farm animals' lot is not a happy one, but you can give them relief and improve their health and production with these modern Green Cross products.

"Green Cross" Animal Insect Powder gives swift control over lice, fleas and other parasites on cattle, horses, etc.

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When poultry raisers aim to get the best production from their birds they look first for a properly balanced, highly nutritious ration which will produce results at low cost per unit. Hundreds of unsolicited testimonials for profitable results and unprecedented demand for MONEY-MAKER chick feeds is evidence that this U.G.G. product really means what it says. It is a "MONEY-MAKER" for the poultryman!

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## Chick Starter

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**United Grain Growers Ltd.**

Over 40 years in service to Farmer and Stockman.



# HOW TO SAVE FEED

**CULL**

Non-producers from the laying flock and save your feed for the heavy layers.

**CULL**

Weak and stunted chicks that have no chance of developing into profitable pullets.

## Why Waste Precious Feed? CULL Heavily—CULL Consistently

Canada's Poultry Feed Supply is very short again this spring and every poultryman must conserve feed and make each pound do a better job. Close culling of non-producers from the flock is one mighty important way of saving feed.

Cull Severely and Often during the latter part of the laying season. Remove old hens from the flock as soon as they go off production and save the feed for those who are laying well and profitably. Also, cull the chick flock as it grows to remove all crippled, weak and stunted chicks which will never develop into profitable pullets.

Users of Ful-O-Pep can save feed by consistent culling and by following the economical Ful-O-Pep Save-on-Feed Plan of rearing pullets. So if you are feeding Quaker Ful-O-Pep Chick Starter and Quaker Ful-O-Pep Growing Mash be sure to raise your pullets on the Ful-O-Pep Save-on-Feed restricted feeding plan. You may actually save up to 30% or more on feed costs. For complete information see your local Ful-O-Pep dealer.

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Please rush my Free Copy of the NEW 1947  
Ful-O-Pep Book on how to grow rugged,  
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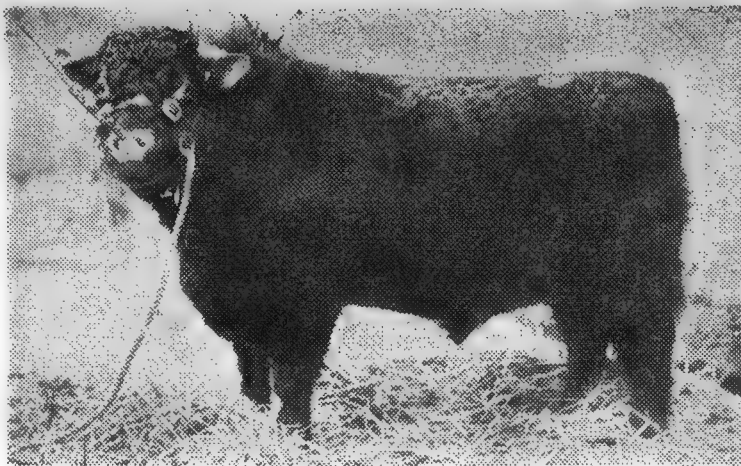
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**FUL-O-PEP** *The Feed of Champions*



### GALLINGER IMPORTS GOOD SHORTHORN BULL

Crichton Bellringer, first prize December calf at the Shorthorn Show in Perth, Scotland, sold for 2,000 guineas to Claude Gallinger of Edmonton for his Killearn herd at Tofield. It should arrive next June to join Millhills Conquet from last year's show and Norseman, a wartime import. This 14-months-old Shorthorn bull is a grandson of Calrossie Commander, and was sired by Crichton Ambrose, since exported to United States. The dam, Crichton Diana Broadhooks, was reserve champion at East Lothian Show last year. This young bull is red, thick set, heavy of bone, has a good head and is straight in his lines.

## U.K. 1948 Farm Wheat Price Set at \$2.40

BRITAIN'S farmers will be paid \$2.40 a bushel for wheat they grow in 1948. This price was announced March 6 by the British agriculture ministry in a long list of fixed prices set 18 months ahead under the government's new policy of long-term price regulations. This year, the farmers are getting \$2.20 plus a subsidy of \$8 for every acre sown to wheat. Under the new plan, the acreage subsidy has been dropped and incorporated in the fixed price.

At the same time, the government evidently thinks that the world wheat shortage will be less acute next year. It is asking the farmers to plant 2,000,000 acres of wheat, which compares with the target of 2,500,000 acres set for this year and the wartime peak of 3,000,000 acres. This year's target cannot now be achieved owing to weather holdups.

The new price for home-grown British wheat compares with \$1.55 which Britain is paying for Canadian wheat and the general world price of about \$2.09.

But the farmer who sows barley—a target of 2,100,000 acres has been set for 1948—does even better. For milling barley he will get \$2.40 a bushel, and for malting barley, \$3.15, figures which compare with \$1.15 on the world market.

The price for oats next year has been set at \$2.07 a bushel and for rye at \$2.40.

It is clear that the government wants to render Britain as self-sufficient as possible in food production, chiefly in order to save dollars. At present, the whole emphasis is on production of grain for direct human consumption, but the ministry of agriculture hopes that during the next two or three years it will be possible to divert more acreage to production of food for livestock feed and thus increase Britain's supply of home-grown meat, milk and eggs.

The livestock production program sustained a heavy blow this winter and spring with an estimated 1,000,000 sheep dead in storms and the worst lambing season in history in prospect. Some reports said that one-third of the sheep in England and

Wales had perished from exposure, an estimate which would mean 3,000,000 casualties. The long-continued cold and feed shortages were also causing concern to cattlemen in some parts of the British Isles.

...

### Expect Big Acreage Of Canning Crops

The Broder Canning Company hopes to have 3,850 acres of vegetables grown for canning this season, but this acreage may be affected by the labor situation. Most of last year's growers have renewed their contracts with the company. The \$2,000,000 pack put up last year at the company's plants at Lethbridge and Taber has all been sold, Robert Broder said recently.

He said that the pack was the largest, and most valuable handled by the company since it came into Southern Alberta about 15 years ago and was sold in the market between the Great Lakes and the Rocky mountains. A few carloads of canned vegetables were also shipped to British Columbia.

The vegetables — peas, corn, beans, carrots, red table beets and pumpkin — were grown on 7,600 acres of irrigated land.

Mr. Broder said that signed contracts under which vegetable crops will be grown this year for the company's canneries at Lethbridge and Taber and the quick-freeze plant at Lethbridge now are being received and about half the acreage contemplated for this year has already been contracted.

...

### IMPORTS BOLSTER BUTTER STOCKS

Creamery butter stocks in Canada, March 1, amounted to 23,890,000 pounds compared with 31,787,000 pounds February 1, and 9,899,000 pounds on March 1, 1946, the Dominion Bureau of Statistics reported.

The March 1 stocks included about 1,676,000 pounds of imported butter brought from Australia and New Zealand to bolster dwindling Canadian stocks and keep the individual Canadian ration at six ounces a week.

Cheese stocks on March 1 were 20,309,000 pounds compared with 23,432,000 pounds the previous month and 20,104,000 pounds a year ago.



# NOW 2 Great NEW Postwar DE LAVAL MILKERS

**De Laval Engineering Brings You Still Better De Laval Milking  
For the Smallest to the Largest Herds!**



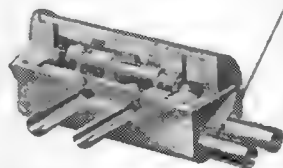
**Stainless Steel "Sani-Cover"**

Easy to clean as a saucer — permanently rust-proof — provides no crevices to harbor bacteria. New, easily cleaned milk cock always seals tight.



**Stainless Steel "Sani-Claw"**

Provides better sanitation — easier, quicker cleaning. Removable rubber bottom permits "straight-through" brushing and visible sanitation — you can SEE it's clean.



**Speedway Udder Pulsator**

Cylinder insert of special metal and shortened piston travel result in still longer life and dependability.



**New Speedway Pulse-Pump**

Low-speed, rotary type — uniform vacuum. Rotating blades automatically compensate for wear. Economical, efficient metered lubrication. Oil reservoir in base. More compact — increased vacuum reserve.



## *The New* DE LAVAL MAGNETIC *SPEEDWAY* MILKER

It's here . . . the great new postwar De Laval Magnetic *Speedway* Milker offering you still better De Laval Milking and many other important advantages. De Laval engineering works continually to *improve* . . . that's why dairy farmers always look to De Laval for the best in milking . . . and get it! Ask your De Laval Dealer to explain these important new advantages to you:

- Still Better Milking
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**STAINLESS STEEL FOR SANITATION AND DURABILITY**

## *The New* DE LAVAL Sterling MILKER

De Laval engineering has again added to the superiority of the De Laval Sterling Milker over other pneumatic pulsator type milkers with many important new features similar to those incorporated in the great New De Laval Magnetic *Speedway* Milker. Among these are the new stainless steel "Sani-Cover" operating top, easy to clean as a saucer; new "Sani-Claw" for straight-through brushing and visible sanitation and new Sterling vacuum pump with metered lubrication.

This great New De Laval Sterling Milker offers a combination of milking advantages you can't afford to overlook.



**THE DE LAVAL COMPANY, LIMITED**

PETERBOROUGH

Quebec Montreal Winnipeg Vancouver



A Kansas cyclone hit a farm house just before dawn one morning. It lifted the roof off clean, picked up the bed on which the farmer and his wife slept, and set it down on the back forty so gently the bed covers weren't even disturbed.

The wife was crying softly. "Don't be scared, Mary," her husband said comfortingly, "we're not hurt."

Mary continued to cry. Again the farmer consoled her: "Don't cry, Mary. You don't need to be scared now."



"I'm not scared," Mary responded between sobs, "I'm just happy 'cause this is the first time in 14 years that we've been out together."

\* \* \*

A timid old lady approached the captain of a steamboat on the Missouri river. "Captain," she said anxiously, "they say a great many men

have been drowned in this river. Is that true?"

The captain smiled reassuringly.

"My dear madam," he said, "you must not believe everything you hear. I assure you I have never yet met a man who had been drowned in the Missouri river."

"Yo sho does look worried."

"Boy, I'se booked up solid on worryin'. I'se got so many worries on mah mind that if sumpin happens to me today, Ah won't get time to worry about it foh two weeks."

\* \* \*

Barber: "Here comes a man for a shave."

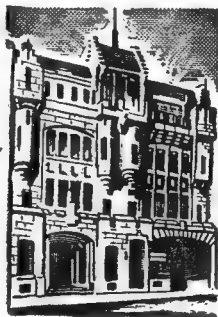
Apprentice: "Let me practise on him."

Barber: "All right, but be careful not to cut yourself."

# Where do we WANT to go from here?



We in Canada have now come through the hardest part of the post-war adjustment period. By buying in moderation only what we really needed, by resisting the natural desire to rush madly after long-absent luxuries, we have been able to keep prices at reasonable levels. We have been able—so far—to escape the strife and the uselessness of inflation. Knowing *where* we want to go, we have also known *how* to get there. Credit for this lies with the foresighted planning of our Government—the wisdom of the people—and the Canadian habit of moderation in all things, which as The House of Seagram has long maintained, is unquestionably one of this country's finest assets.



*Men who Think of Tomorrow*

*Practice Moderation Today!*

THE HOUSE OF SEAGRAM



## Sanitation Is Best Control For Coccidiosis In Chicks

PARTLY because of the novelty of the new arrivals and partly because the monetary investment is still fresh in mind, baby chicks often receive closer attention during the first few weeks than they do later on. When the chicks are four or five weeks old their apparent robustness tends to lull the poultry keeper into a sense of having passed the danger point.

Compensations for vigilance are gained when, by the early detection of coccidia infection the disease is brought under control by prompt combative measures.

In chick feeding tests conducted at an Ontario experimental station, it has been found that the addition of green food and milk to the diet increased the resistance to parasitic infection to a large extent. Also early chicks, while not entirely immune, seem to be able to withstand coccidiosis better than chicks from later hatches.

Blood-stained droppings may or may not be observed depending on the type of coccidia present, but where a slackening of appetite is noticed and birds with ruffled feathers, and a morbid appearance are seen, then a program of strict sanitation is advisable. Daily changing of the litter and scalding the feed and water utensils will do much to halt the progress of the disease.

Where young birds are confined during the night and let out in the mornings it is a good plan to watch the actions of the stragglers. As a rule infected birds prefer the shelter and warmth of their abode to the fresher atmosphere outside and in this manner tend to segregate themselves. These visibly affected birds should be removed.

Over-crowding not only hinders ready detection of coccidiosis, but also sets up, through quickly dampened litter, the most favorable conditions for the transmission of the organism from one bird to another.

## More Tractors and Threshers Bought in 1946 Problem of Supply Continues This Season

SALES of tractors in Canada in 1946 totalled 22,762 for wheel and crawler models, compared with 18,606 in 1945, a 22.3 per cent increase. Sales of tractors in Eastern Canada during 1946 increased 36.1 per cent over 1945, while in the West sales increased by 14.6 per cent. Of the 22,762 tractors sold in 1946 only 841 were crawler models. The returns indicate that 98.5 per cent of all wheel-type tractors sold had air tires. Row crop tractors sold in the East and 23 per cent of the total sold in Western Canada.

Sales of combines in 1946 totalled 6,049 for Canada, compared with 6,729 in 1945, a decrease of nine per cent. A total of 5,346 combines of all sizes were sold in Western provinces and only 703 in Eastern provinces, of which 649 were sold in Ontario, 39 in Quebec and 15 in the Maritimes.

Sales of threshers totalled 1,048 for

Canada in 1946, compared with 725 in 1945, an increase of 30 per cent. Sales of threshers totalled 848 in the East and 200 in the West, an increase of 25 per cent in the East and 56 per cent in the West. As pointed out by "Canadian Farm Implement" this increase in sales of power farm machinery in 1946 took place despite strikes and industrial unrest, which prevented normal production of raw materials and the production of parts and electrical equipment.

As to the outlook for 1947, it is apparent that the year ahead will carry with it continuance of supply problems for both distributors and retail dealers in the power farm machinery business in Canada, as there are continued difficulties in the supply of materials while the outlook as regards labor relations in the industry continues uncertain.

## Hot Beds and Window Boxes

WHERE one cannot buy started plants or where one wants to start one's own, the hot bed or window box supplies the answer. In these, seeds are planted early and after transplanting and hardening off they are ready to set outdoors when weather and soil are warm. Such things as cabbages, tomatoes, head lettuce, cucumbers, etc., are handled this way, among the vegetables, and petunias, zinnias, cosmos, among the flowers. Indeed any plant that will transplant can be started in these beds and from three weeks to a month or so of extra growing season added.

The hot bed consists of a deep layer of fresh horse manure to supply the best heat. Over this is placed a rough frame of boards, and on top is placed a window sash. On the manure is placed about 2 inches of good garden soil, and in this, after the manure has heated and cooled again,

the seed is planted in rows about 3 inches apart.

In the window box, which is a shallow affair about 3 inches deep, only good soil is necessary. After the seed has sprouted and developed a second set of leaves, the plants are thinned to about 2 inches apart. On warm days some ventilation should be provided and the soil should never be allowed to dry out.

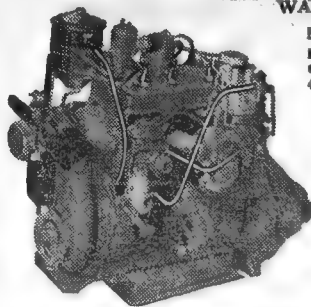
After the plants are about 2 inches high they are usually transplanted to roomier quarters, and for at least a couple of weeks they should be hardened or made ready for permanent planting outside by being exposed in mild weather.

### HEREFORD BRINGS \$5,300

The grand champion Hereford bull at the Spokane cattle sale and show early in March sold for \$5,300 when Ernest Roe of Toppenish paid this top figure to Herbert Chandler of Baker, Ore., for Mark Donald 76th.

## NEW WILLYS JEEP MOTORS

WAR SURPLUS—IMMEDIATE DELIVERY



Excellent for boats, snowplanes, welders, lighting plants, sawing, crushers, combine motors or any other stationary work. Also fit and replace Willys cars 4 cyl., 1937 and up.

### SPECIFICATIONS

4 Cylinder — 61 H.P. at 3,600 R.P.M.  
134.2 cubic inches displacement.

These NEW JEEP MOTORS come in original overseas shipping crates and include: Powerful Jeep Block assembly complete with all Electrical System, Starter, Heavy Duty Generator, Coil, Distributor, Spark Plugs, Water Pump, Carburetor, Fuel Pump, Flywheel, Clutch, Oil Filter and is ready to start.

Price  
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**\$210.00**

Heavy Duty Jeep Radiators—  
Suitable for Stationary Work.

**\$23.50**

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### NEW EQUIPMENT

—tractors, binders, plows, pumps, choppers, etc.?

### FARM ELECTRIC SERVICE

—Installation, alterations, improvements?



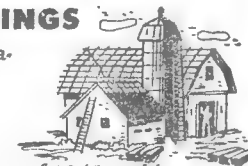
### BETTER HERDS

—higher quality cattle, sheep, swine?



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—improvements, additions, alterations?



The Farm Improvement Loan Act of 1945 enables you to do all these or any other work around the farm which will increase its efficiency and productivity. Loans are repayable over periods up to ten years at 5% interest.

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Give you more miles to the dollar.
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For smooth operation and utmost economy.
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A lubricant famous for staying on the job.
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A complete line of all types.

*Cut Your Operating Costs with*  
**BELL STELLARENE PRODUCTS**

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YOUR  
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BULK STATIONS AT—Calgary, Edmonton  
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Grande Prairie, La Glace and Buffalo Lakes.

## New Items Of Interest

Prime Minister King announced in the House on March 19 that Donald Gordon, for the last 5½ years head of the Wartime Prices and Trade Board, would retire on April 15 to return to his pre-war position as deputy governor of the Bank of Canada. Succeeding Mr. Gordon as head of the Prices Board will be Kenneth W. Taylor, present deputy chairman who has been associated with price control since 1939. Mr. King said the government had decided that plans for orderly decontrol of prices had advanced sufficiently that it could meet Mr. Gordon's request for retirement without adversely affecting public interest.

Electrification of some 140 farms south of the Bow river between Calgary and Cochrane this season is planned by the Calgary Power Co. It is expected that by the end of this year about 2,500 farms in the province will have been supplied with power by this company and Canadian Utilities Ltd.

The special committee of the Alberta legislature probing the question whether Hutterite colonies should be permitted to purchase more land in the province has recommended that the old colonies, there are 33, covering 180,000 acres of land, be limited in expansion; that the formation of new colonies be outlawed within a radius of 40 miles of previously-established colonies; that the Hutterites be prevented from acquiring more than 6,400 acres of land; that they also be prevented from acquiring land of which more than half is under cultivation, and that persons planning to sell them land must first offer their holdings to veterans.

Over 100 inches of snow fell in the Lethbridge district during the past winter. This is the greatest snowfall ever recorded in that district.

In order to maintain price ceilings in Canada, the Wartime Prices and Trade Board has paid out \$411,000,000, in subsidies since 1941.

The Alberta government announced on March 10 that 200 scholarships worth \$200 each would be made available to selected high school students willing to enter the teaching profession. In addition to this move designed to ease the acute teacher shortage in the province, teachers' pensions will be increased by \$5 up to \$40 per month starting April 1.

Manitoba co-operatives will be subject to a 5 per cent corporation income tax the same as any other corporation, Premier Stuart Garson said in introducing a bill to this effect in the legislature.

Kenneth McGregor, 52, son of the late J. D. McGregor of Brandon and an outstanding breeder and judge of Aberdeen-Angus cattle, died March 4 at his home in Ada, Minnesota. He was an early instructor in animal husbandry at the University of Alberta.

The United States Supreme Court in a decision handed down on March 7 upheld the conviction of John L. Lewis and the United Mine Workers of America on contempt of court charges. The \$10,000 personal fine imposed on Lewis by the lower court was confirmed and that of \$3,500,000 assessed

against the union was reduced to \$700,000. Upheld also was the government's right to make use of the courts to break strikes against itself.

### COLLICUTT HONORED

The British Columbia Hereford Breeders' Association at a banquet during the Kamloops bull sale and fat stock show presented Frank Collicutt of Crossfield, Alta., with a pipe in recognition of his association with the event almost since its inception 29 years ago. Mr. Collicutt is retiring from his Willow Springs ranch this spring.

**CLIP**  
your  
horses

get  
more  
work  
done

take off  
my winter  
overcoat  
so I won't  
sweat my  
strength  
away

**groom better - easier**

Long hair, sweat-soaked during the day, becomes an ice-cold blanket at night, chills the horse, prevents rest. Clipped horses rest well, have more pep to do all the spring work.

### STEWART hand-power Clipping Machine

Clips horses, cows, dogs, quickly and evenly. Ball-bearing, easy-running. Precision-cut steel gears, encased and protected from dust and moisture. Cutlery steel blades stay sharp long time. A reliable, sturdy machine, gives years of service.

### STEWART Electric CLIPMASTER

Where there is electricity this is the best machine to own. One man without help can do all your clipping—fast. Dependable, quiet, fan-cooled motor, exclusive Stewart design, in comfortable Bakelite handle. Works from light socket, 110-120 volts, AC or DC.

### SHEAR YOUR OWN SHEEP

Machine shearing is easy to learn with attachment which can be fitted to either of above machines. Save Time and Wages.

GET MORE wool—leaves no ridges—longer staple wool, brings higher price. Stewart better Shearing Machines—Hand-operated, WOOL Electric, belt drive—all strong, long lasting, efficient. Sold through local dealers.

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Wholesale & Retail  
REPAIRING, RE-CORING AND  
CLEANING to Restore Circulation



"DESIRE TO SERVE—  
PLUS ABILITY"

Branch at Lethbridge

## VALUABLE POINTERS LISTED FOR RAISING HEALTHY CHICKS

★ ★ ★ ★ ★  
**T**HERE is no one best way to raise chicks—everyone will tell you something different, and there are lots of experts! The best advice is to let your past experience be your guide, use plenty of good sense, and follow the basic principles of good chick rearing.

The right way and the easy way to get started with chicks is to start with the best. They may cost more in the beginning, but they usually grow faster, live longer, feather more quickly, and lay more eggs than do cheaper chicks. Don't waste time or money on poor quality stock.

The brooder house or pen should provide plenty of room. Allow one square foot of floor space for every two to three chicks up to six weeks of age and from then on twice that amount.

The important point to keep in mind in operating any stove, regardless of the type, is that it must provide the necessary heat under and around the stove to keep the chicks warm. Brooder stove temperature should be about 95 deg. F. for the first week, after which it can be reduced about 5 degrees a week until the chicks become well feathered, and once they are, they will require no further heat.

The temperature of the brooder room where the chicks eat and drink should be about 60 to 70 degrees F. This is very important. This room temperature keeps them active, healthy, and vigorous; promotes good growth and early feathering.

Electric brooder stoves don't generate much room heat and for this reason feed and water should be placed under or very near the edge of the canopy or "skirts" for the first few days. A screen around the electric stove is advisable to prevent wandering during the first days of brooding.

The number of chicks placed under an electric stove should be carefully checked. This is necessary because all of the chicks must get under the canopy for warmth. Allow about 8 to 10 square inches of floor space under the above canopy per chick. More chicks than this will cause moisture troubles.

As the chicks grow, raise the electric brooder — most of them are equipped with adjustable legs. Also, rake the litter under the brooder each morning.

**L**ITTERS commonly used are cut straw, wood shavings, and various commercial litters; wood shavings are excellent. Whatever is used it should be dry, absorbent, and not too dusty.

Covering the litter for the first few days is a common practice. This can be done with paper of feed bags. Doing this will insure the chicks eating the mash and not the litter.

Feed and water — all they want — is another "must" in starting baby chicks. Chicks must grow every day for the first six months if they are to be profitable, and to grow they must have feed and water!

To secure results be sure to provide two one-gallon drinking fountains, and eight linear feet of feeder space for each 100 chicks. (Never fill a chick feeder over one-half or two-thirds full!) As the chicks grow, all of this equipment should be changed

to meet the needs of older and larger birds.

Scratch grains may be fed almost from the start; however, only in small amounts — probably not more than 10 per cent of the total feed intake. This amount may be increased with the age of the birds until they are eating as much as 50 per cent by the time they are six months of age.

Teach early roosting. This is very advisable as it will help to prevent floor crowding which causes sweating and chilling — a forerunner to coccidiosis.

### Cutworm Threat

(Continued from page 16)

#### Control Methods

Since poison baits are ineffective because the pale western cutworm does all its feeding underground, control consists of cultural methods which either prevent or destroy infestations.

It is possible to prevent infestation by leaving summerfallow fields undisturbed from August 1 to September 15. This allows fields to crust so that the moths which fly about this time are unable to lay their eggs. Any breaking of this crust by livestock or by implements will result in cutworm infestation. Weed growth on summerfallow should be destroyed late in August so that they can be really controlled in September after the moth flight is over. This practice of staying off summerfallow has been universally adopted as a year-to-year practice throughout the areas where cutworm damage is known to occur. Similarly, fall wheat and rye should not be sown as the seeding operation disturbs the soil and cutworms will lay their eggs in the loose soil. These crops should be sown either before August 1 or after September 15.

Newly hatched and young cutworm larvae can be successfully starved in the field by cultural methods. This is done by cultivating to destroy their food after they have fed. Spring cultivation of infested fields should be delayed until weeds and volunteer growth are from 1 to 2 inches high. After completely destroying this source of food the field should not be seeded until at least ten days later.

It is not safe to re-seed damaged fields until the cutworms have ceased feeding. Usually, it is not safe to re-seed fields until after June 20.

#### Intensive Research

Research on this insect pests is conducted by the Division of Entomology, Dominion Department of Agriculture at the laboratories in Lethbridge, Alta., and Saskatoon, Sask. L. A. Jacobson, who is located at Lethbridge, is in charge of the investigations while the Saskatchewan end of the problem is under the direction of H. McDonald at Saskatoon.

Each year in July these two men publish the annual forecast. This forecast, based on May and June rainfall, indicates the areas where damage is expected to increase or decrease the following year. The forecast is published during mid July of each year and receives wide circulation through the press.

Investigations consist of laboratory and field experiments, testing and re-testing new and old methods of control. Development of new control methods is constantly underway to combat the cutworm as well as other insect pests attacking cultivated crops.

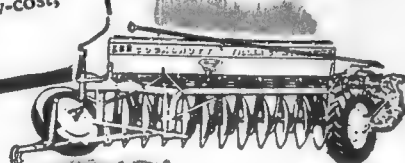
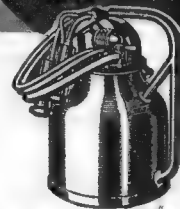
# MAKE MORE SAVE MORE WITH COCKSHUTT

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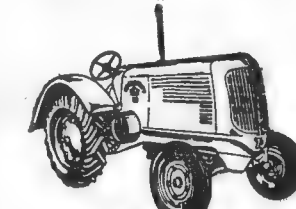
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PLOW COMPANY LIMITED

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SMITHS FALLS CALGARY EDMONTON



## CALGARY BULL SALE

(Continued from page 5)

Bros., Redland, at \$800. Highest individual contributor's average was the \$515 which W. D. McCollister received for six good bulls. Prices ranged considerably below the top figures for animals of mediocre quality and finish but bidding was well maintained.

Aberdeen-Angus offerings numbering 94 sold for a total of \$34,950, an average of \$371.81, a substantial increase over the \$263 recorded for 151 head at the 1946 sale. Top price for the blacks was \$1,100 paid by Sam Henderson, Lacombe, for Dalrene Black Bar 3rd, contributed by Flint & Flint, New Norway. These breeders put seven good animals through the ring for an average of \$523. Other outstanding sales were made by J. G. Barkley of Twining to John McBride of Benalto at \$1,025 and by Roy Ballhorn, Wetaskiwin, to J. W. Ralston, Balzac, at \$800. Demand held up well throughout the Angus sale and there was a noticeable tendency among the bidders to prefer comparatively rugged bulls with good scale to the tidier, finer-boned animals.

COMPETITION was keen and placings close when the ribbons were awarded in the bull showing.

Grand champion Shorthorn award went to Rannoch Rodney, shown by T. G. Hamilton of Innisfail, and Elburn Command, exhibited by P. W. Stefura of Chipman was placed in the reserve position.

Grand champion Hereford of the show was Advance B Domino 358th, shown by Chas. Bull & Son, Calgary, and reserve was Tobruk Blanchard 15th, from the herd of Henry Ziegler & Sons, Vegreville.

C. H. Richardson of Bowden showed the grand champion Aberdeen-Angus,

Birdman of Willow Park 41, the reserve going to Black Bar 5th, shown by William Gibb of Killam.

The high-ranking entries carried off a number of valuable trophies and special prizes awarded by breed associations and other organizations.

THE junior section again was an outstanding feature of this year's spring show, with strong entries competing for the awards in the three breed classes and for championship honors.

Ross Gould of Rosalind made history in the Calgary ring when his Hereford-bred calf carried off the grand championship of the baby beef show for the fourth consecutive year. Leta Boake of Acme, showing a Shorthorn, won the reserve ribbon. Both entries had previously topped their breed classes. Lou McBride of Benalto showed the first prize winner in the Angus section. Other winners in their respective sections were as follows:

### HEREFORDS—

2, Robert Hunter, Airdrie; 3, Donald Robertson, Westcott; 4, Murray G. Morrison, High River; 5, Gordon Robertson, Westcott; 6, Roy Westfall, Carstairs; 7, Douglas Westerland, Esther; 8, June Hehr, Midnapore; 9, Norman Fleck, Veteran; 10, Roger A. Jones, Midnapore.

### SHORTHORNS—

2, Thomas J. Manuel, Innisfail; 3, David Kenney, Redland; 4, R. Dean Chessor, Lacombe; 5, Lloyd Halstead, Carbon; 6, Walter Fisher, Olds; 7, Keith McKinnon, Carseland; 8, Duncan MacDonald, Grainger; 9, Donald MacDonald, Grainger; 10, Alan Wilson, Duhamel.

### ABERDEEN-ANGUS—

2, Harold E. Smith, Olds; 3, Lloyd

W. Ralston, Balzac; 4, Madeline E. Gulbe, Olds; 5, Jane C. Ralston, Balzac; 6, Kenneth Spiller, Daysland; 7, Jim McBride, Benalto; 8, Effie Simpson, Calgary; 9, Blanche M. Ralston, Balzac; 10, Allan John Ingram, Midnapore; 11, James Pobuda, Irricana; 12, John W. Copley, Airdrie.

### Beef at \$1 Per Pound

The grand champion fat animal of the show was the Hereford steer entry of Ed. Noad of Olds, reserve award going to an Aberdeen-Angus heifer shown by J. Dobinson & Son, Clive. Splendid prizes were paid when the fat stock passed through the auction ring. Noad's champion steer sold at \$1 a pound to the Quaker Oats Company of Canada the carcass later being donated to the patients of the Col. Belcher hospital in Calgary. The same price was paid for the Gould baby beef champion by T. Eaton Co. (Western) Ltd. In all 138 animals were sold for a total of \$25,404.94, an average of 20.605 cents per pound.

For groups of five finished steers under 1,100 pounds prizes went to: 1, Peter Massie, Midnapore; 2, E. K. Rowell, Olds; 3, A. E. Noad, Olds; 4, J. A. McBride, Benalto. Over 1,100 pounds, winners were: 1, Hehr and Massie, Midnapore; 2, Thomas Henderson, Lacombe; 3, Archie Boyce, Olds.

Top price realized in the pure-bred cow and heifer section of the sale was \$530 paid by Mrs. F. C. Courtney for a Wright & Bond Hereford cow, M Anxiety Princess 14. Top figure in the Shorthorn division was \$420 paid by J. A. Snyder of Didsbury for Balgerran Ecstasy consigned by Hugh Sharp of Lacombe, and Aberdeen-Angus figures were topped by \$325 paid by E. L. Snodgrass of High River for Highland Blackbird B22 from the herd of James Scott & Sons, Conrich.

## Kamloops Prices Set New Record

Prices realized for the fat stock sold by auction at the Kamloops sale in Mid-March were the highest on record, averaging 23.05 cents per pound compared with last year's previous high mark of 16.65 cents. A total of 237 head of good animals passed through the ring for an aggregate return of \$42,673.34.

The top carload of fat steers, entered by the Douglas Lake Cattle Company, brought \$2,961.18 with a lot from the Eldorado Ranch in second place with a return of \$2,648.78.

Grand champion steer of the show was an Aberdeen-Angus shown by Lauder Ranches, Merritt, the reserve award going to a Shorthorn entered by John Tarves of Pritchard.

When the bulls were judged, the Hereford championship was awarded to Shingle Creek Monty 11th, owned by Alex Gardner of Penticton, and an entry by James Turner of Royal Oak carried off the Shorthorn championship. Good prices were paid for the fine selection of bulls which passed the sale block.

...

### WOOL PROMOTION

Important matters pertaining to wool promotion were dealt with by an enthusiastic group of six Canadians who accepted an invitation from Morton Savell, Director, International Wool Secretariat to attend a recent meeting in New York. As a result it is announced that a promotional program in regard to wool and woollens will be instituted throughout Canada in keeping with similar promotional work carried on by the Wool Secretariat in the United States, England and on the Continent.

## The Revolutionary HAWKINS Floating Tractor Seat Mount



\$12.00 Ea.

Satisfaction  
or  
Money Back

The Hawkins Mount is easily installed on any tractor. Use your own tractor seat.

The Hawkins Mount permits comfortable "Level Seating", even when plowing the deepest furrows.

Hillside slopes, deep furrows or rough bumps, the operator sits comfortable at all times.

The Hawkins Mount design utilizes suspended leverage and horizontal spring action to give all-round shock protection . . . you can't "Hit Bottom"!

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With Passenger Car Comfort

Distributed by

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Dealers and Agents  
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*Build  
Your Future*

WITH THE HELP OF

## INTERNATIONAL HARVESTER

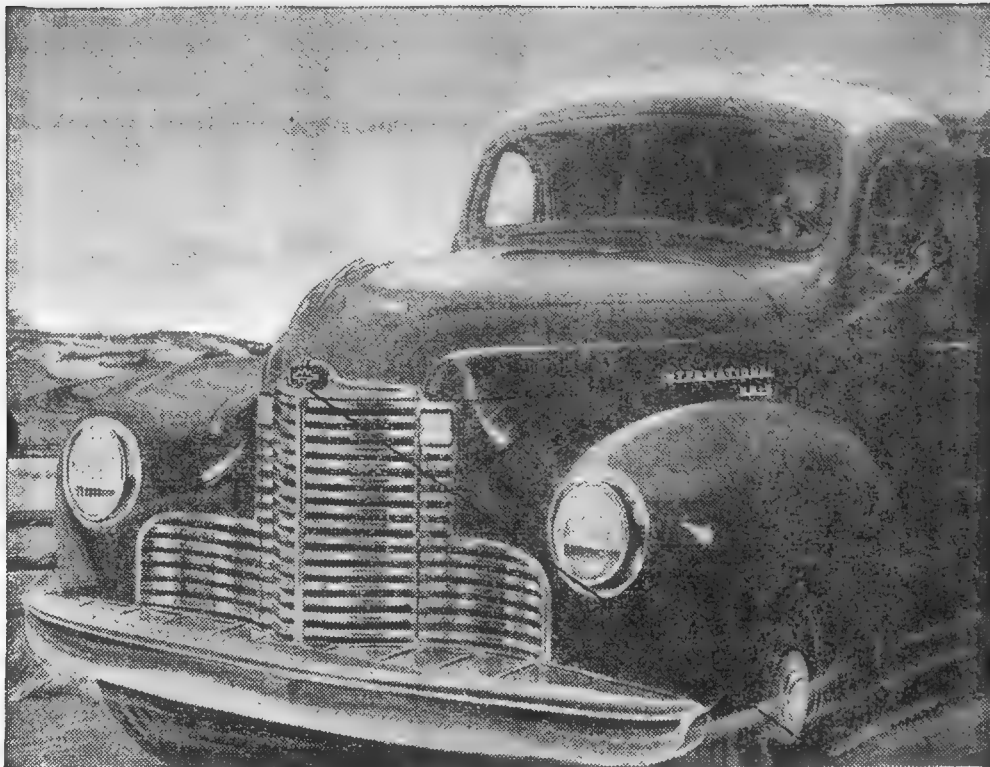
Thousands of men—and their fathers and grandfathers before them—have built their farming careers on the long line of International trucks, tractors and machines that stem from the invention of the McCormick Reaper, 116 years ago. They built *soundly* for their future.

There is always a FUTURE for all men . . . Build for yours, *now*—with the help of a greater International Harvester and the leadership of the experienced dealers who serve you under the IH symbol and the Triple Diamond emblem that identifies International Trucks.

All of International Harvester's long-promised products—new International Trucks (see above), new machines and methods for improved handling of crops in all seasons, new developments in the FARMALL\* System—will be on their way to the farmers of Canada as fast as we can build them.

Keep in close touch with your International Harvester Dealer. Count on him to do his level best to deliver the International equipment you will need in building the future.

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A NEW line of INTERNATIONAL Trucks, ready for you on the 40th Anniversary of these famous trucks! New styling, new economy, new ease of operation, and rugged International stamina. See your dealer. Fit a new International Truck into your plans for the future.



FARMALL\* Tractors enter 1947—always the most successful farm tractors in the world. The four Farmalls, A, B, H, and M, with the broad range of Farmall machines,

play a major role in the success story of Canadian farming. Watch for new developments, new surprises, in the Farmall System!

\*FARMALL is a registered trade-mark.

ONLY International Harvester builds FARMALL Tractors.



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**INTERNATIONAL TRUCKS**

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## FARM IMPROVEMENT LOANS

● Under the Farm Improvement Loans Act a farmer may now borrow on special terms to buy agricultural implements, livestock or a farm electric system, and for fencing, drainage, repairs to buildings or other farm improvements.

This Bank is fully equipped to make loans to farmers under the provisions of this Act.

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DRUMHELLER, LETHBRIDGE, McLENNAN, MEDICINE HAT.

## Missionary's Family Starts New Life In B.C.

THE quiet farmlands of Cloverdale, B.C., became a welcome haven to the family of Mr. and Mrs. George Alfred Birch when they escaped the encircling Japs at their mission in China in 1945, were flown over the hump to India and returned to their home after a 12,000-mile sea voyage.

They brought their three youngest children but their anxiety was not relieved until the arrival six months later, of their two eldest boys, David, now 15 and John, 12 who had been interned ever since the bombing of Pearl Harbor.

For their new life on the land, they recently became the winners of a new Ford tractor and cultivator, which Mr. Birch won as special rural prize in a Quaker Oats Company advertising contest. "The contest was to submit a descriptive name for their corn flakes. I sent in 20 names and I don't know which was the lucky one," said Mr. Birch. "I had my name in for a year to buy a tractor, so you can see how fortunate I feel."

"We had a hard time to get this tractor for Mr. Birch," said J. J. Campbell, Sales Manager of B.C. Tractor Equipment Ltd. "I guess the only way a farmer can get one is to win it."

Mr. and Mrs. Birch were 17 years

with the inter-denominational China-Inland Mission at Tunkl, Anwei Province, in the Yangtze Valley. The two older boys were at boarding school at Chefoo and were interned with 2,000 Occidentals at Weihsien Camp.

Winner of the Quaker Corn Flakes grand prize of a new Monarch "8" sedan was Marcelle Laquerre of St. Edouard, Quebec.

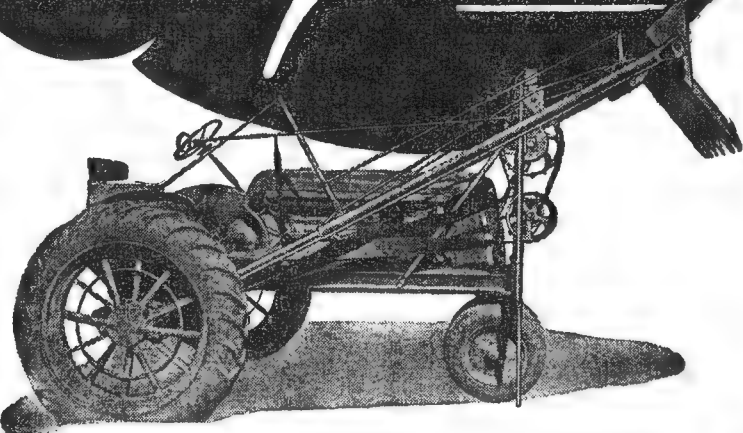
## Plan Storage Dams

PROPOSED plans for two PFRA water-storage dams on the Souris River in the Midale area of Saskatchewan have been presented to the council of the rural municipality of Cymric for their information and consideration. The plans are based on a survey of the Souris River that is being made by PFRA and they were presented to the Cymric council by H. G. Riesen, PFRA engineer in charge of the survey.

Main purpose of the dams is to impound surface water to be used at other than "peak" flood periods along the Souris River.

Both dams would provide an adequate supply of water for community pastures, would aid in preservation of wild game life and would provide storage that could be used for irrigation purposes south of the Midale dam.

Get the Loader that  
**GIVES YOU MORE**



## 7 Plus FEATURES AT NO EXTRA COSTS

Get these EXTRAS in convenience, ease of operation, greater usefulness, and economy when YOU buy a loader. When you choose a COATS, you get all these added features, at no more than you'd pay for an ordinary loader:

- 1 "Miracle" Telescoping Frame, stronger, permits load pickup within few inches of front wheel; puts 30% less weight on front end, less pull on rear axle.
- 2 Will enter and load in barn or shed with 7' clearance.
- 3 Cable arrangement prohibits frame twist no matter where load is positioned.
- 4 Tapered wood cone clutch; no slip, no bind.
- 5 Automatic bucket control; prevents swinging.
- 6 Finger-tip control; one lever raises, lowers, dumps bucket from driver's seat.
- 7 Three feet loading clearance.

Fits any row-crop tractor. Hay buck, snow bucket attachments fit loader bucket. Strongest factory guarantee of any loader on the market. Ask your dealer today about this loader which gives you MORE, or write for free circular NOW.

Coats Loaders also available for standard tread, as well as small 4-wheel and tricycle-type tractors.

## THE NANCE COMPANY

RED DEER, ALBERTA

INNISFAIR, ALBERTA

# Farm and Ranch Housewife

DEVOTED TO THE INTERESTS OF THE RURAL WOMEN OF WESTERN CANADA

## The Versatile Egg

By IDA M. HALIBURTON

*Humpty-Dumpty's come into his own;  
Humpty-Dumpty's again on his throne;*

*All his rich vitamins, — building  
real men*

*Has won dear old Humpty the  
limelight again.*

OUR first parents, we are told, perceived the potency of the egg to build and keep in health the human body, almost as soon as the virtues of the apple became apparent to them. They knew nothing of its vitamin and mineral content, but they were not slow in discovering that, in addition to its exceptional food value, its neat little airtight shell made it easy to handle and safe to store. There is no doubt, that when it became stale, it had protective uses outside the human body as well.

Eggs are so easy to prepare that they are often served with a half-apology, which paves the way to the establishment of a wrong attitude on the part of the family, who so often greet its arrival at the table with the remark, "Oh, eggs again." The half-apology on the cook's part is the parent of the wrong attitude on the part of the family, and not until both have learned the value of the egg, and treated it with due respect shall we expect an end to that discouraged complaint.

It is so easy to boil, poach, fry, scramble, bake or make eggs into custards that housewives are apt to let their imaginations stop there, and continue to serve eggs fried hard around the edges, watery scrambled eggs, eggs boiled too hard or too soft, pessimistic omelettes, and coarse custards. Cooking eggs and boiling water have too long been classified as the least skillful of culinary achievements. It takes skill to cook an egg, properly.

After all, there is no law against originality in serving eggs, or one does not have to take out a patent to invent new ways to present them. The versatile egg does not mind, and the family will greet each change with gusto, proving that it is not so much the egg itself that meets with objection but its humdrum everyday dress.

THERE is no one food that completely satisfies all the requirements for a perfect food, but the egg approaches very closely to it, as there is found within its shell almost all the vitamins and minerals, necessary to health. It is a rich source of Vitamin A, which promotes growth, keeps the skin smooth and safe, and, combined with Vitamin D contributes to strong teeth and bone structure. It also provides a defence against the common cold, and is beneficial to eyesight.

It is rich in Vitamin B, an energy food for body and brain, stimulating growth, helping the appetite, and promoting digestion. Vitamin B strengthens the nerves and guards against pernicious anaemia.

Vitamin D is a valuable preventive of rickets, especially necessary in winter. The iron in egg yolk is rich in iron, and easily digested by babies.

Iron keeps the forces of life active, and gives warmth and magnetism, sparkling eyes, and red cheeks.

These are only a few of the valuable contributions made by the egg to the diet but should be enough to convince the housewife that she is performing a real service to her family when she serves eggs attractively and frequently. It is a good idea to collect all tried and true egg recipes, and paste them in a little book of their own, or on pieces of cardboard, held together with a cord passed through holes at the back, loose-leaf style. And take care to follow the recipes to the letter. True, one can make a custard by throwing a few ingredients carelessly together, but such procedure is likely to elicit the complaint, "Oh, eggs again." Careful attention to measurements, and blending will turn out a smooth product, instantly accepted and enjoyed by the family. The following recipes have been tried in my household, and have proven good:

### Baked Custard

3 eggs  
3 cups milk  
3 tbsps. sugar  
¼ tsp. salt  
½ tsp. vanilla

METHOD: Beat eggs lightly, add milk, sugar, salt and flavoring, and stir well. Pour into greased custard cups or large mold, sprinkle with nutmeg and set in pan in an inch of hot water. Bake in moderate oven until a silver knife inserted in middle comes out clean.

Have you pumpkin left from pie making? Omit one cup of milk, add one cup of mashed pumpkin, ¼ teaspoon each cinnamon and nutmeg, ½ teaspoon cloves. Bake as directed. Good warm or cold, and more digestible for small folks than pie crust.

### Custard Sauce

Custard sauce is good poured over stale plain cake, pudding, fresh or stewed fruit, apple sauce or short-cake.

2 eggs  
¼ cup sugar  
¼ tsp. salt  
2 cups milk  
1 tsp. vanilla extract

METHOD: Place eggs in top of double boiler. Beat slightly, add sugar and salt and mix well; add milk. Cook over very hot water 10 or 15 minutes, stirring occasionally. Remove from stove, add flavor, cool at once.

### Egg Salad

Cut whites of hard-boiled eggs into eighths lengthwise, arrange on lettuce to simulate petals of a flower. Put yolks through ricer and arrange in centre of whites. Serve with boiled dressing.

Diced hard-boiled eggs and sliced cucumbers combine nicely with potatoes for a salad. Be generous with dressing. Dry potato salad is not tempting.

### Scalloped Eggs

6 eggs  
1 cup milk  
3 tbsps. fat  
2 tbsps. flour  
½ tsp. salt

(Continued on page 31)



A pure product of the sugar cane, Rogers' Golden Syrup supplies the need for quickly available energy in the diet of children. As a spread for bread, or in many taste-tempting, easily prepared cakes and pies, it is supreme. Most grocers have stocks.

THE B.C. SUGAR REFINING CO. LTD.



So MUCH Light  
... So LITTLE COST!

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## LIGHT-MAKER LAMPS

● Good light—no matter where you live. For over 30 years Coleman Lamps have been bringing better light—more light at less cost—into homes everywhere.

A Coleman Lamp gives more light than 20 old style oil lamps. Its clean, white brilliance is ideal for reading or sewing. You can match colors accurately by its abundant light. Children, too, need this good light to study by.

It's portable. Carry it from room to room. Burns 12 to 14 hours on one filling. No wicks to trim. No smoked-up chimneys. No daily filling.

Its brilliant light, its beautiful design and finish make your home more attractive, brighter and more cheerful.

Coleman Lamps are available now. They give you so much light at so little cost, why not enjoy all the light you need? Ask at your hardware or general store about them.

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TORONTO, CANADA



# "SALADA"

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Permanent Wave  
At Home—with—**

*Modern Genie*

**HOME  
COLD WAVE**

Beyond doubt the finest Home Permanent Wave Kit obtainable. Simple detailed instructions make it easy to produce beautiful waves that really last. Finest laboratory-tested materials.

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30 TO 60  
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Including Cold Wave Shampoo, Emulsified Oil Curling Lotion, 73 Curlers, 73 End Papers, Double Neutralizer, Creme Rinse, Simplified Directions. Finest Laboratory Tested materials.

**Complete Kit only  
\$2.95**

Postage 20c

## GIRLS! WOMEN! TRY THIS IF YOU'RE NERVOUS, CRANKY, TIRED~OUT

**On 'CERTAIN DAYS'  
of The Month!**

Do female functional monthly disturbances make you feel nervous, fidgety, cranky, so tired and "dragged out"—at such times? Then do try Lydia E. Pinkham's

Vegetable Compound to relieve such symptoms. This fine medicine is very effective for this purpose!

For over 70 years thousands of girls and women have reported benefit. Just see if you, too, don't report excellent results! Worth trying.

*Lydia E. Pinkham's* **VEGETABLE COMPOUND**

## Care of the Feet

CARE of the feet and development of the carriage are important in childhood. Strong, well developed feet, capable of carrying the body weight without strain, are possessions it pays well to have.

A child should walk easily and gracefully. Walking consists of balancing the body first on one foot and then on the other. The body should be held straight and tall, with the weight resting principally on the ball of the forward foot.

The distress caused by aching, tired, swollen feet is familiar to many. Foot troubles may be due to faulty posture or to wrongly shaped, ill-fitting shoes. Careful attention to a child's feet prevents unnecessary suffering, improves his disposition and adds greatly to his general well-being.

Every child should be taught to walk and to stand correctly. A baby should not be urged to walk until he does so of his own accord. If he is heavy, it may be injurious to encourage him to walk or to stand too early. At this age the bones are pliable and the muscles and ligaments supporting them are lacking in strength.

### SHOES IMPORTANT

THE shoes a child wears are of utmost importance. Improperly fitted shoes may press the feet out of shape. The muscles are developing and must not be restricted in any way. The arch of the foot is supported by the muscles. A shoe that binds or weakens the muscles may injure the arch and do permanent harm.

In buying footwear for a child, choose shoes that fit the feet. It is a good plan to have the foot measured. If you cannot take the child with you when he needs shoes, have him stand squarely on both feet on a piece of paper. Trace the outline of the feet. Take this pattern with you when you go to select his shoes. Be sure that the shoes you buy are broad enough across the toes and long enough. They should be an inch longer than the outline and a quarter of an inch wider.

The material of the shoe should be soft and pliable. Soft, heel-less moccasins are best for the baby. Patent leather is non-porous and unsuitable for children's shoes. It prevents evaporation of the natural

perspiration and often causes tender, blistered feet.

The heels of a shoe should be low and broad. The inner line of the sole should be straight to conform to the line of the foot. A laced shoe can be more easily adjusted to the foot and consequently insures better circulation.

### STOCKINGS

THE importance of properly fitted stockings is often overlooked. Stockings should be long enough. If they are too short the toes may be crumpled under and discomfort will result. The shape of the foot may also be injured.

In walking the toes should point forward. This distributes the weight of the body properly and protects the arches from strain. "Toeing out" is even worse than "toeing in," when walking. Turning the toes outward helps to bring about the condition known as flatfoot or fallen arches.

□ □ □

### "WORKBASKET"

The January issue of the Farm and Ranch Review carried an advertisement for the "Workbasket" and due to an error in the mechanical department the price was quoted at \$1.50 instead of \$2.00. The yearly subscription in Canada to this magazine, effective January 1st, 1947, is \$2.00.

## HAIL, SPRING

By T. J. W. SWINBURNE  
Midnapore, Alberta

WHAT do we hail more gladly than the Spring?

The brushes bud, when Winter's feet have sped.

Life in gladness by her hand is led,

While willows now their incense gladly bring.

The children playing make the echoes ring;

And raindrops sparkle on the meadow soft,

As gentle breezes shake the trees aloft,

Birds of many kinds are on the wing.

The bubbling brooks in summer we shall hear,

And lambs will gambol o'er the pastures nigh.

The hills may don their verdure far and near,

And colored clouds will spread across the sky.

Then will the flowers the tangled trees adorn,

Like fairies dancing in the sparkling morn.

## HOSIERY

FOR THE FAMILY!

NYLONS—42-gauge in best shades. Per pair **\$1.50**

CREPE—A great hose to wear, yet sheer and neat fitting. Per pair **89c**

LISLE—A fashioned hose, nice shade, neat fitting, long wearing. Per pair **75c**

MEN'S SOCKS—Heavy pure wool. Fawn, light blue, wine, yellow. Per pair **\$1.50**

MEN'S SOCKS—Wool and cotton mixture. Fancy browns, greys, blues. Good weight and wearing quality. Per pair **\$1.00**

WORK SOCKS—All wool, blue heather. Per pair **49c**

WORK SOCKS—Heavy wool, built for wear. Per pair **59c and 69c**

LUMBERJACK—Extra heavy all wool. Per pair **\$1.15**

Sent postpaid if payment accompanies order.

**Hosiery Specialty Co.**

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### DOWEL FOR DARNING



FOR darning fingers in gloves, a dowel inserted in a thimble is handy. Withdraw slowly so the thimble will not catch in the glove.

## Laundry Dodges Worth Trying

(Short cuts from Czechoslovakia)

By TERESA HUPPELDT

IF, when washing curtains, sheets, quilts, or other large articles, you are at a loss to know how to stretch or fold them when alone, try folding one end of the article in four and fix it firmly between the wringer rollers, then it is quite easy to stretch or fold from the other end.

To impart a professional touch when washing sheets or pillowslips, put a little of your starch in the rinsing water. Not only will it aid to a perfect finish, but starch is helpful in removing traces of bloodstains from delicate materials. In such cases, cover the stain with thin starch, and when quite dry remove with a soft brush.

Woollen garments that have shrunk or lost their colour in washing, may be improved by this laundry method: To a large pail of hot water add one teaspoonful of pure olive oil, one tablespoonful of liquid ammonia, and a large tablespoonful of soap flakes. Whisk to a lather, and when lukewarm put in the woollens and leave for ten minutes. Now swill the articles about in the water, but DO NOT RUB. Rinse finally in warm, slightly soapy water, shake well and hang to dry.

Rhubarb juice will remove iron-mould from linen, if not too bad. Cut a stick of rhubarb into pieces and put in a pan with a little water. Boil gently for ten minutes, then hold the stained linen in the hot

solution for a few minutes. Rinse with cold water, repeating the process if the ironmould does not yield the first time.

And if, after washing coloured woollen articles, such as jumpers, frocks, stockings, etc., in the usual way, you are not satisfied with their appearance, try our method: Wash in usual way, then thoroughly rinse in COLD water, and you will mostly find they keep their colour perfectly, and without that streaky appearance as often occurs when warm water is used. This method is also applicable to blankets, since it helps them to a softness and fluffiness without the constant need of raising the nap by artificial means.

To wash loose cretonne covers satisfactorily at home and yet give them a professional laundry appearance, for each full-sized cover dissolve about two tablespoonsful of Epsom salts in hot soft water, add enough warm water to cover material, then brush with a soft nail-brush. One rinsing only is needed as a rule. But be sure to iron before the material becomes too dry.

To flour-starch your curtains, mix three tablespoonsful of flour to a paste and pour boiling water over it, mixing in usual way. Used as ordinary starch this mixture will not rot your curtains however delicate and flimsy the lace happens to be.

□ □ □

## The Versatile Egg

(Continued from page 29)

2 tbsps. grated cheese  
2 tbsps. chopped onion

METHOD: Hard cook eggs. Cool. Remove shell. Cut in halves lengthwise. Remove yolk and mash with fork. Add 1 tbsps. butter or fat, salt and pepper. Fill whites piling up yolks lightly. Prepare sauce as above, adding onion while cooking. Arrange eggs in casserole, pour over eggs, sprinkle top with grated cheese, and bake until heated through and cheese is melted. Serves six.

### Eggs in Baskets

4 slices fresh bread  
4 eggs  
Salt and pepper

METHOD: Remove crusts from bread, butter, and press into small muffin tins, butter side up. Bake until corners are crisp and brown. Break one egg in each cup. Season and return to oven until eggs are set.

### Creamed Eggs on Toast

1 cup milk  
2 tbsps. butter or fat  
2 tbsps. flour  
1/2 tsp. salt  
4 eggs, hard cooked  
4 slices buttered toast

METHOD: Melt butter, add flour, cook until frothy. Add milk. Slowly stir until thickened. Add chopped egg whites and salt. Pour over toast. Press egg yolks through coarse sieve. Sprinkle over sauce, and heat in oven.

### Eggs with Sausage

1/2 lb. loose sausage meat  
6 eggs, separated  
6 tbsps. water  
1 tsp. salt  
1/4 tsp. paprika  
1 tbsps. butter

METHOD: Cook sausage about eight minutes or until nicely browned. Beat yolks of eggs adding salt, paprika and water. Fold in stiffly beaten whites. Melt butter in pan, and pour in egg mixture, and cook until omelet has set. Cover one half with cooked sausage, fold over the other half and serve at once. This recipe may be made plain, or with chipped beef, cheese or bacon.

## The Dishpan Philosopher

SEEMS like I always have to try new recipes that catch my eye. And while I blend and beat and bake some other woman's buns or cake I wonder who she is and what she maybe has that I have not. Her kitchen may be gleaming white with shining sink and lots of light, and stream-lined stove fixed up complete to always tell the oven heat. Her floors may shine like all get-out, and nice glass shelves be strung about to hold her gadgets and machines like pictures in the magazines. But then again she well may be a farm-woman just like me.

Our kitchens sure are out of style and may stay that way yet awhile. But for the lack of taps and drains this crumb of comfort still remains that anywhere we care to look there's loads and loads of stuff to cook.

## TEMPTING DELICATE-TEXTURED DINNER ROLLS



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• Simply delicious and sure to win praise—dinner rolls made with Royal Fast Rising Dry Yeast. Speedy-acting, easy to use—Royal keeps for weeks without refrigeration—lets you bake any time, at a moment's notice. No dashing out to the store at the last minute—Royal Fast Rising Dry Yeast is always right there when you want it—ideal for "spur of the moment" baking. Just dissolve according to directions on the package. In a few minutes it's ready for action.

Next time you bake, use Royal Fast Rising Dry Yeast : : : see how quickly it gets to work, how convenient to use. You can store a month's supply on the pantry shelf and feel assured it will be as potent as the day you bought it. Get Royal Fast Rising Dry Yeast today. At your grocer's.



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KEEP YOUR outhouse  
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Lye today—it does the toughest cleaning jobs quickly... easily... thoroughly.

*\*Never dissolve lye in hot water.  
Action of lye itself heats water.*

**FREE  
BOOKLET**

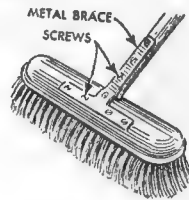
Here's a valuable little book on how to take care of dairy equipment, keep outhouses and farm buildings clean and clean-smelling with Gillett's Lye. Thrifty tips on making soap, keeping drains and traps clean. Send to Standard Brands Ltd., Fraser Ave. and Liberty St., Toronto, Ont., for your copy—it's FREE!

# Household Hints

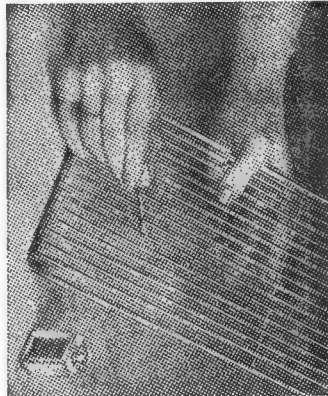
By Courtesy of the Popular Mechanics Magazine.

## T-PLATE REINFORCES BROOM HANDLE

IT'S easy to twist or break the handle of a push broom at the point where it fastens to the brush. To prevent this, or to make a repair after it has happened, screw a T-shaped metal brace to the broom. This increases the strength of the handle at its weakest point and prevents it from twisting.

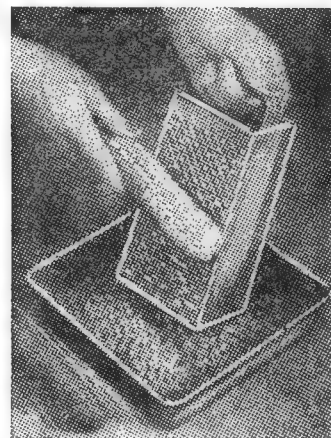


## NAIL POLISH PREVENTS RUST



If you have rusty spots on your racks, remove them with fine steel wool and then wash in soapy water. After the racks have dried, cover the rusted spots with colorless nail polish to prevent any further spread.

## SHELLING POPCORN



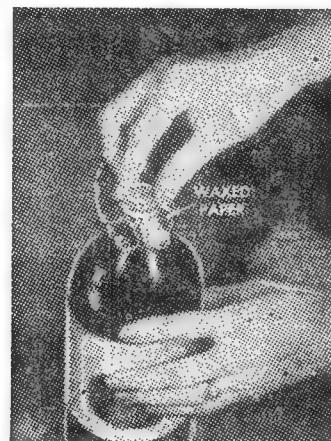
SHELLING popcorn with bare hands is apt to result in sore and tender palms. However, this trouble can be avoided if an ordinary grater is used and the corn is shelled into a cake pan. Shell enough for several "poppings" and store in a sealed paper bag.

## KNEE-PAD APRON



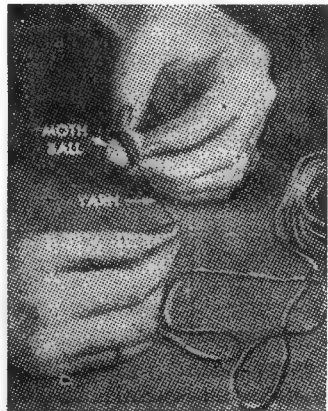
SEW a horizontal seam, with both ends open, at the lower end of an apron. This should be of a size to accommodate several kneeling pads. When scrubbing a floor or performing some other task that requires working on your knees, the apron will come in handy.

## WAX-PAPER AS LINING



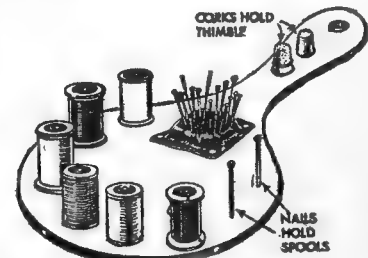
BECAUSE of the nature of their chemical composition, many bleaching compounds have a corrosive action on the metal cap of the bottle that serves as a container. This corrosion can be avoided if a waxed-paper lining is used under the cap as shown.

## MOTH BALL AS CORE



WHEN winding yarn from a hank into a ball, use a moth ball as the core. This will protect the yarn against damage when it is stored or not used for sometime. If considerable yarn is kept in one box, it's also a good idea to scatter moth balls in the box.

## SEWING KIT



THIS paddle-shaped piece of plywood is ideal for sewing equipment. Finishing nails hold spools, and thimbles are slipped over corks.

RING or earring stones that have loosened or fallen out can be reset by using colorless nail polish for glue. The polish will dry quickly and is waterproof.

\* \* \*

## Country Diary

\* \* \*

APRIL 1st. Caught off guard by telephone before breakfast and sent on a "sleeveless errand" (quoting Mr. Pepys) concerning the cream truck, before remembering the date. In France, "poisson d'avril" meaning April Fish, is the equivalent of our April Fool. Entering April thus somewhat inauspiciously I turned to pleasanter thoughts and decided the poets had the right idea. Browning immortalized April in his "Home Thoughts from abroad." Shakespeare made much of "Youthful April" with all his showers"; and Tennyson, because he described it so often might be called April's own poet.

Nature's first and finest show of the year is the Great Unfolding — the return of Spring after a long, hard winter such as we have gone through. Spring frees the countryside from the grasp that held like iron in unyielding fetters. Poplar branches are decorated with soft grey fuzz under which are tight sticky buds awaiting their turn to break out into luxuriant foliage. The willows are trimmed with tassels of yellow, dangling catkins. The caragana hedge quickens into life as the sap rises in promise of a rich growth of pale green, fern-like leaves. The crocus appears in its silver sheath on a new green stem, young tender grass is creeping over the pasture and trust the crows to find it first. Spring is marching on and on over the prairie, arriving with a rush, a gay abandonment, each day growing in radiance and strength. So we again have proof, if it were needed, that the old earth was not dead, but merely sleeping.

Though, of course, for a while yet, perhaps for another month, winter, loath to leave may claim the nights with a few frosts, before final farewell. Or, perhaps, by the time this is ready to read "false spring" may have come with a sudden deceptive burst of sunshine and warmth. It might very well be called the "mud season" with melting snow, filling the ditches and hollows, and converting the barnyard into puddles of slush. And even if a setback follows it is a good time while waiting for authentic spring, to get out the stone-boat and clean out the hen-houses, scattering the enriching manure, Nature's good helper, on the front lawn where its vitality will seep into the grass with the melting snow. A wondrous emerald hue will result, and we serve the catchings from the lawn-mower to the young chicks as an appetizer.

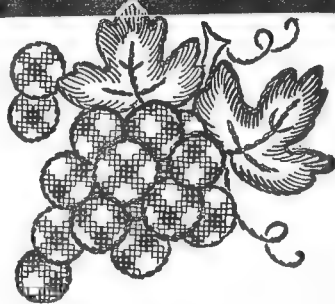
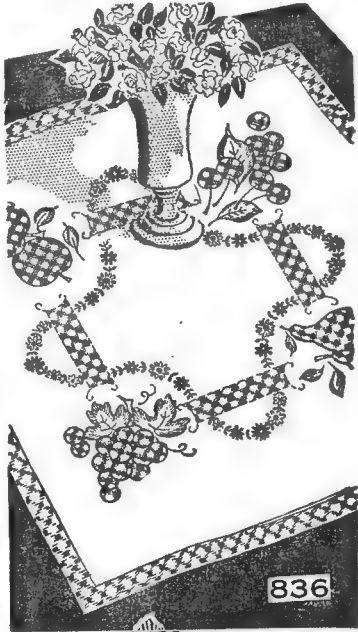
The back-yard resembles a miniature junk-yard as the snow melts, leaving there in the bright April sunshine an assortment of Rip's bones, blown-off clothes-pins, sticks, tin cans, bits of broken crockery, not to speak of the winter's pile of ashes. There is nothing to do about it but for each member of the family to turn out and do his bit in raking up and disposing of the debris. The gate, too, always has to be repaired to keep out the joyous cackling hens, who released from bondage are bent on freedom far afield.

The coming of Spring brings new worlds for old, new hopes for all mankind, and it is a poor heart that does not beat a little faster as new life unfolds.

□ □ □

So many women when sitting in an upholstered chair while sewing will use the arm of the chair as a pin cushion for pins and needles. This is not only a dangerous habit, but also very wearing to the furniture.

### Cross-Stitch is Gay



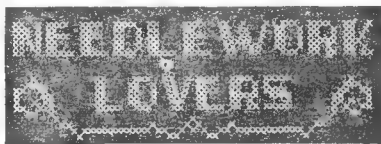
At first glance you're sure it's gingham applique! But a second look proves it to be cross-stitch. Make this cheerful breakfast cloth.

Cross-stitch in 2 shades of a color. Pattern 836 has transfer of 9 motifs  $2\frac{1}{4} \times 2\frac{1}{2}$  to  $15 \times 15$  inches.

Send TWENTY-FIVE CENTS in coins (stamps cannot be accepted) for this pattern to Farm and Ranch Review, Needlecraft Department, Calgary, Alberta. Print plainly PATTERN NUMBER, your NAME and ADDRESS.

□ □ □

You can protect an ink written address on a package from being smeared by rain if you rub a candle over the surface. This procedure will "waterproof" the address.



For the reader desiring the address of a needlecraft magazine, Mrs. L. K. L., Minnesota, writes: "I'm sure the needlework lover would like Aunt Ellen's WORKBASKET. This monthly pattern and direction service brings the latest creations in handcraft and needlework from the country's foremost artists and designers. It is \$2.00 a year in Canada for twelve issues, but no samples are sent because each issue contains large hot iron transfer patterns as well as ideas for such items as dollies, edgings, bedspreads, tablecloths, hats, bags, and baby's things. Orders should be sent to the WORKBASKET, 4652 Westport Station, Kansas City 2, Mo., U.S.A., with currency or money order." If you are not delightfully pleased with the first issue, Aunt Ellen will return your money and you may keep the material you have received without any obligation.

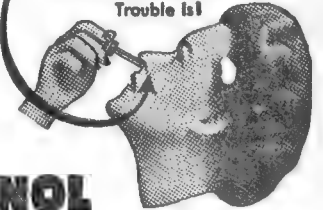
## Quick Relief Head Colds!

FROM  
SNIFFLY, STUFFY  
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SPECIAL

Double-Duty Nose Drops  
Works Fast Right Where  
Trouble Is!

Instantly, relief from sniffly, sneezy stuffy distress of head colds starts to come the moment you put a few drops of Va-tro-nol up each nostril. Soothes irritation, relieves congestion, makes breathing easier in a hurry. Also helps prevent many colds from developing if used in time. Just try it! Works fine! Follow directions in folder.



VICKS VA-TRO-NOL

# NABOB

Tea as it  
Should be



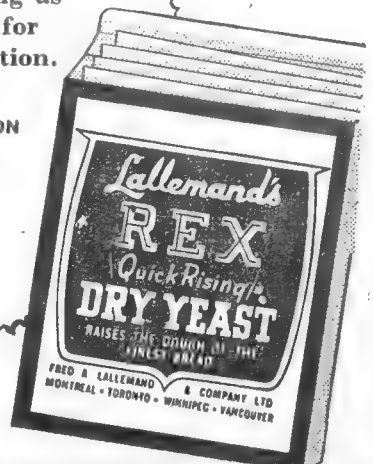
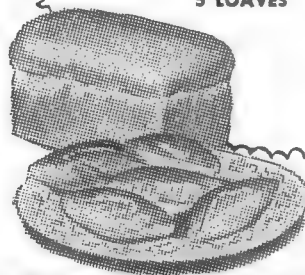
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THE REX YEAST WAY

REX Dry Yeast is as  
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4 ENVELOPES PER CARTON  
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DISSOLVES  
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When minutes count, see how Old Dutch goes into action! Double-quick! A fast grease-dissolver cuts grease in a jiffy. Wonder-working Seismotite, that only Old Dutch Cleanser contains, easily erases dirt and stains. Yes, it's the grease-dis-

solver plus Seismotite that gives Old Dutch a special, fast cleaning action no other material has!

On sinks, tubs, pans, in all your cleaning—discover what tests have proved. Old Dutch is fastest, easiest by far of all leading cleansers!

\* Cleansers widely known in Canada were tested on greasy, soiled surfaces. And Old Dutch cleaned fastest, easiest of all!

MADE IN CANADA

## Aunt Sal Suggests

We sing of April showers,  
And April skies are blue;  
But why not April handy hints,  
To be of help to you?

It isn't only in a career that one should start at the bottom and work up... the same procedure is advisable in housecleaning too. And that means "clean out the cellar first."

It is really unbelievable how much dirt and junk can accumulate in the cellar during the winter months. Much of it is downright useless and a great deal of it comes under the heading of "fire hazards", so be ruthless about saved-up treasures: if they are no use to you or anyone else then consign them to the bonfire!

And speaking of fire hazards... as we were a moment ago... don't let your waxing and polishing rags accumulate. For the short time you do have them, keep them in a closely covered tin box or pail... then, when they become dirty, burn them!

But to touch on a lighter theme whenever you prepare to go to town is the "burning question" round your house "Oh, where did I put the ration books, the grocery list and that hanky I borrowed from Cousin Bessie the time I forgot mine?"

If that is the state of affairs, then you need a memory box or drawer. It's nothing more or less than a certain place where you place things you want to take with you when next you sally forth. Most housewives agree that it should be in the kitchen, likely in one certain part of the cupboard. Anyway get the habit of always placing small articles there that you'll want to take with you. And of course the ration books come under that category.

But speaking of the grocery list, it can be clipped to the inside of the cupboard door (with a pencil tied to it). When the weekly or bi-weekly day comes to clean out the shelves then jot down the items needed.

Spring has many likable attributes, but having to still eat old potatoes isn't one of them. Cooks that have got into the habit of sprinkling a stingy dose of white sugar to last year's "spuds" agree it really helps.

If you can't stretch the family budget to include a new Easter bonnet, at least freshen up last year's chapeau (meaning a hat over \$3.00). Treat it to a thorough brushing and steaming over the tea kettle and if the veil is as limp as the proverbial rag, then try that trick of ironing it with a warm iron between two layers of waxed paper.

And speaking of waxed paper... (seems to me I always am). Here's a cutie I tried the other day. I baked my first cocoanut macaroons in (?) years and put a lining of waxed paper inside the bake tins. Then when the macaroons were baked I lifted the paper (with macaroons attached) right out onto the table to cool. For in case you, too, have not baked macaroons for quite some time, maybe you've forgotten they must not be removed from bake tins until really cold!

Have you made the acquaintance of those commercial, heavily-waxed bake cups? They cost but a few pennies and m'dears they are pennies well spent. Cup cakes baked in them are fluffier and more moist and you only have to fill them half full of cake batter. I proved to myself and family

just today that I could bake 20 of the medium-sized cup cakes from a recipe only calling for one lone egg and  $\frac{3}{4}$  cups sugar and  $\frac{1}{3}$  cup shortening. Here's the recipe!

### One-Egg Cup Cakes

Cream  $\frac{1}{3}$  cup mild shortening and  $\frac{3}{4}$  cups white sugar. Drop in one egg and mix well. Add one teaspoon vanilla. Sift these dry ingredients three times: 2 cups pastry flour, 2 tps. baking powder,  $\frac{1}{2}$  tsp. salt. Add the dry ingredients alternately with  $\frac{3}{4}$  cups sweet milk. Bake 15 minutes in oven of 350 degrees F. When cool, frost with white or cocoa frosting.

These are quick to make... quick to bake and quickest all to eat!

Bye for now... and every good wish.

## GIRLS WHO KNOW very enthusiastic about this HIGHER TYPE

*Intimate Feminine  
Hygiene*

Easier — Daintier — More Convenient



Greaseless Suppository Gives  
Continuous Medication for Hours  
Easy To Carry If Away From Home!

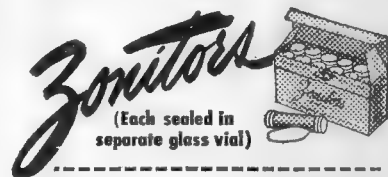
Here's one of the most effective methods ever discovered for intimate feminine cleanliness. And you can readily see why it's become so popular among highly intelligent and exacting women in this country—it's so much easier, daintier and more convenient—so powerful yet absolutely harmless and leaves no telltale odor. It's called Zonitors.

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# SELECTED RECIPES

## SAVORY BEANS WITH BACON

- 1½ cups dried navy beans
- ¼ cup finely minced onion
- 1½ teaspoons salt
- 1 cup diced celery
- 1¾ cups canned tomatoes
- ¼ cup molasses
- 1 teaspoon dry mustard
- 2 tablespoons melted fat
- ¼ teaspoon pepper

Pick over, wash and soak beans in cold water for 8 hours or over-night. Drain well. Cover with boiling water and add minced onion. Simmer beans slowly until tender — about 2 hours. Add salt during last 10 minutes of cooking. Drain beans well and add celery, tomatoes, molasses, mustard, fat, pepper and additional salt, if necessary. Place in a greased baking dish and cover with strips of bacon. Bake in a moderate oven, 350 degrees F. for about ½ hour. Six servings.

## CORN AND CHEESE SOUFFLE

- 4 tablespoons fat
- 4 tablespoons flour.
- 1 teaspoon salt
- Few grains pepper
- 1 cup milk
- 1 cup grated cheese
- 4 egg yolks
- 2 cups corn (Standard quality)
- 4 egg whites

Melt fat, add flour, salt and pepper. Add milk gradually, stirring until thick. Add grated cheese and stir until melted. Pour over beaten egg yolks, add corn and mix well. Fold in stiffly beaten egg whites. Pour into greased casserole. Oven-poach in a moderate oven 350 degrees F. until set—about 50 minutes. Serves six.

## FRUIT SCONES

- 2 cups sifted all-purpose flour
- or 2¼ cups sifted pastry flour
- 4 teaspoons baking powder
- 1 teaspoon salt
- 2 tablespoons sugar
- ¼ cup fat
- ½ cup currants or raisins
- ¾ cup milk
- 1 egg — beaten slightly

Sift together the dry ingredients. Cut in fat with a pastry blender, until mixture resembles fine bread crumbs. Add currants or raisins. Combine egg and milk and blend with dry ingredients. Turn out onto floured board and knead very slightly. Shape into rounds 6 inches in diameter and ¾ inch in thickness. Brush top with milk and sprinkle with sugar. Bake in a hot oven 425 degrees F. for 15 minutes. Yield: 8 scones.

## HUNGARIAN APPLE PUDDING

- 4 large sour apples
- 3 tablespoons fruit juice
- 1 cup fine, soft bread crumbs
- 1 tablespoon butter
- 2 egg yolks
- 1/3 cup sugar
- ½ teaspoon salt
- 2 egg whites
- 3 tablespoons sugar

Pare and grate apples. Add fruit juice and blend. Add bread crumbs. Cream butter, and egg yolks, sugar and salt and beat thoroughly. Add to first mixture and combine well. Beat egg whites until light, add remaining sugar gradually, beating until mixture will hold in peaks. Fold into first mixture and turn into lightly greased baking dish. Oven-poach in a moderate oven 350° F. for 1 hour. Serve with hard sauce. Six servings.

## BAKED CRISPY PEARS

- 6 canned pears (Choice quality)
- ¾ cup corn or wheat flakes
- 6 teaspoons red jelly (apple or red currant)

½ cup juice from pears

Drain pears — roll each piece in cereal flakes, place hollow side up in a greased baking dish. In centre of each put 1 teaspoon jelly. Pour juice around pears. Bake in a moderately hot oven 375 degrees F. 15 minutes or until browned.

## ALMOND SPONGE

- ½ teaspoon salt
  - 4 eggs, separated
  - ½ cup sugar
  - 1 cup sifted pastry flour
  - or 1 cup less 2 tablespoons sifted all-purpose flour
  - ½ teaspoon baking powder
  - ¼ teaspoon vanilla
  - ¼ teaspoon almond extract
- Add salt to egg whites and beat until stiff but not dry. Gradually beat in ¼ cup sugar. Beat egg yolks and gradually beat in remaining ¼ cup sugar and flavorings. Fold half the stiffly beaten whites into the yolks, then add the flour, mixed and sifted with the baking powder, stirring lightly. Fold in the remaining egg whites. Turn into a lightly greased 8 x 8-inch cake pan. Set in a pan of hot water and oven-poach in a moderate oven, 350 degrees F. for 30 to 40 minutes. Cut in squares and serve with the following sauce. 8 to 10 servings.

## FRUIT SAUCE

- 1 tbsp. cornstarch
- 2 cups juice from canned fruit
- Dash of salt
- 1 teaspoon almond extract

Mix the cornstarch with little of the cold juice and blend until smooth. Heat remaining juice and gradually add the cornstarch mixture and the salt. Cook about 10 minutes, stirring constantly until thickened. Add flavoring. Six servings.

□ □ □

## FOR SWEET BREATH

No amount of good grooming or pretty clothes can make up for an unpleasant breath. In many cases, this is caused by food lodging between the teeth and becoming decomposed. It does this very quickly. Another reason, of course, is stomach disorder caused by wrong eating habits, faulty elimination or nervousness.

Use Dental floss to dislodge food from between the teeth. Yanking with a piece of floss can harm the gums, so get proper instructions from your dentist on its use.

□ □ □

## STAINED CUPS

If dishes must stand before washing, be sure to empty and rinse out coffee and teacups, home economists of the United States Department of Agriculture advise. Otherwise, these beverages may leave a dark stain that is hard to remove.

If a cup becomes so stained that soap and water will not remove the discoloration, rub with a moist cloth dipped in baking powder. Do not scour china or pottery. Hard rubbing and cleaning powders may cause color or gilt to fade and damage the smooth finish.

□ □ □

## RATION CALENDAR, APRIL, 1947

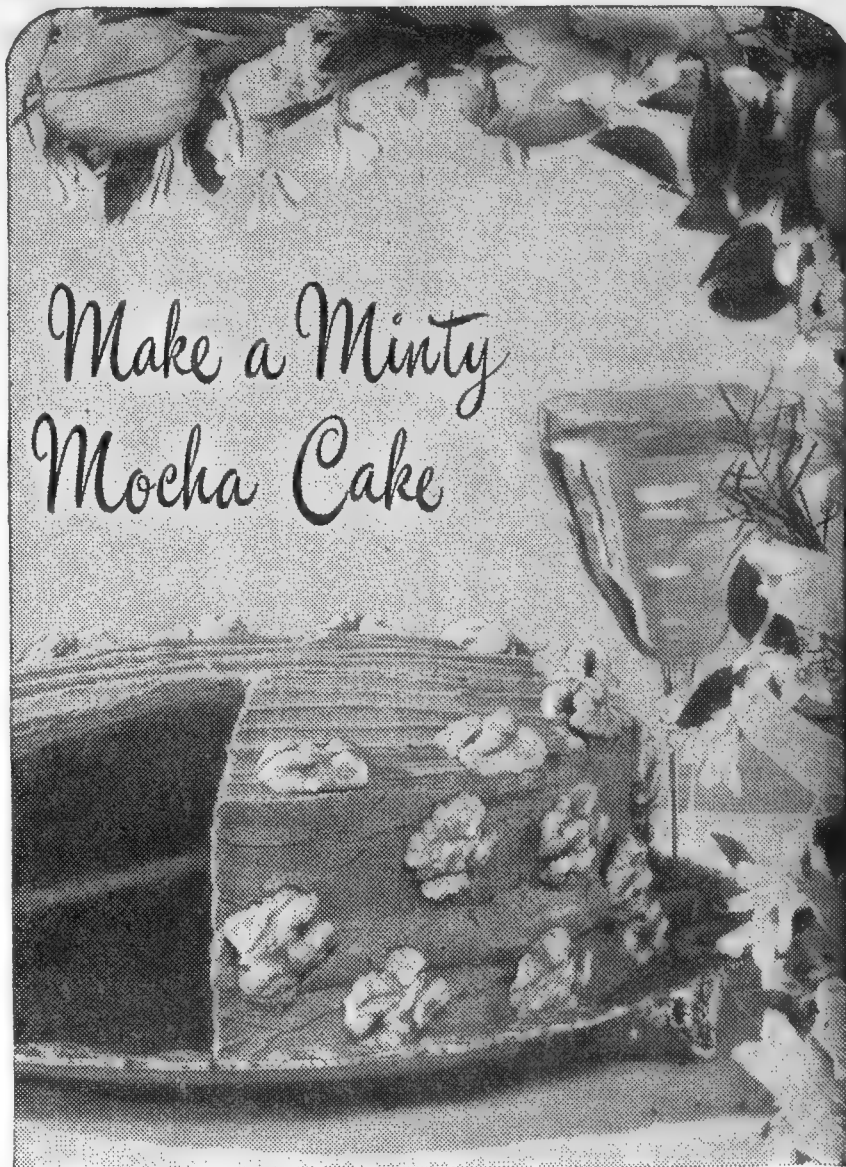
### BUTTER—

- Coupons "B" 35 to "B" 46 now valid.
- Coupon "B" 47 valid April 10.
- Coupon "B" 48 valid April 17.
- Coupon "B" 49 valid April 24.

### SUGAR—

- Coupons "S" 26 to "S" 45 now valid.
- Coupon "S" 46 valid April 3.
- Coupon "S" 47 and "S" valid April

17.



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## MINTY MOCHA CAKE

- ¾ cup shortening
- 1½ cups sugar
- 4 eggs
- 4 squares (4 oz.) unsweetened chocolate
- 1 teaspoon salt
- 2½ cups sifted all-purpose flour

- 3 teaspoons Magic Baking Powder
- 1½ cups milk
- ½ teaspoon vanilla extract
- ¼ teaspoon peppermint extract
- Mocha Frosting
- Walnut halves

Cream together shortening and sugar. Add eggs, one at a time, beating after each addition. Melt chocolate over hot water; add melted chocolate. Sift together flour, baking powder and salt. Add alternately with milk to creamed mixture. Add vanilla and peppermint extracts. Pour into two greased 9-inch layer pans. Bake in moderate oven at 350°F., 30 minutes. Cool 5 minutes. Remove layers from pans; cool on wire rack. Spread frosting between layers and on top

and sides of cake. Decorate with walnut halves.

**Mocha Frosting**—Cream ¼ cup butter; Sift together 2½ cups confectioner's sugar and 2 tablespoons cocoa; gradually add, creaming constantly. Add about 3 tablespoons freshly made coffee for spreading. Add a few grains salt. Mix well. If desired, a few drops of peppermint may be added to provide a Mint flavor to the frosting.



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IN the interests of our readers we are advising that when approached by a subscription salesman, you examine his credentials and make sure he is a fully credited salesman. We have received numerous complaints from subscribers, of men who claim employment with this publication, but have no official credentials from this office. They are not agents in our employ and readers are asked that when asked to renew or take out a subscription, to check all credentials. We cannot be held responsible for subscriptions taken by an unauthorized agent. All our agents carry a yellow card signed by an official of the Farm and Ranch Review.

M. HOLMES, Circulation Dept.,  
Farm and Ranch Review,  
Calgary, Alberta

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Highland Stock Farm, Accredited Herd, Chas. C. Matthews, Calgary.

### Red Polls

T. H. Howes, Willow Farm, Accredited Herd, Millet, Alberta.

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(2) **Strong, husky, vigorous chicks** properly hatched and carefully selected. **WE SHIP ONLY THE BEST — FIRST-CLASS CHICKS.**

(3) **Vigo-Pep chicks** are produced ONLY from Govt. Approved Blood-Tested flocks—selected Alberta and B.C. breeding stock.

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2417C - 1A Street S.E., CALGARY, Alta.

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## Get the Most From Your CHICKS

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## "Raising Chicks For Profit"

BOX "R"

**Rump & Sendall**

LANGLEY PRAIRIE B.C.

## BABY CHICKS



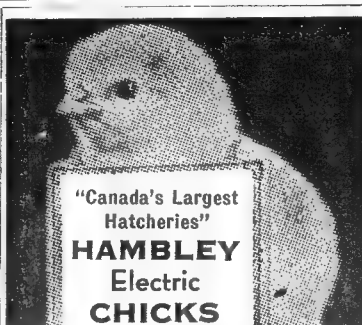
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Send for our 1947 Catalogue!

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Hambley Spec.				Approved			
Mating				Approved			
100	50	25		100	50	25	
18.00	9.50	4.75	N. Hamps.	16.00	8.50	4.25	
29.00	15.00	7.50	N. H. Pull.	27.00	14.00	7.00	
10.00	5.50	3.00	N. H. Ckls.	9.00	5.00	3.00	
R.O.P. Sired				Approved			

R.O.P. Sired			Approved		
100	50	25	100	50	25
16.00	8.50	4.25	W. Leg.		
31.00	16.00	8.00	W. L. Pull.		
3.00	2.00	1.00	W. L. Ckls.		
18.00	9.50	4.75	B. Rocks.		
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Mating Approved					
17.00	9.00	4.50	N. Hamps.	15.00	8.00 4.00
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<b>Gtd. 100% Live Arr.</b>			<b>Pullets 96% Acc.</b>		

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**ROSES, GLADIOLUS, PERENNIALS**, fruit trees, grape vines, shrubs, Gem Everbearing Strawberries and Raspberries. Catalogue. Peters Nursery, 309 - 25 St. E., Saskatoon, Sask.

**OFFER DUTCH BULBS, AMARYLLIS**, Anemones, Begonias, Dahlias, Gladioli, Lilies, to be supplied in spring; also Hyacinths, Tulips, Narcissi, Crocuses, to be supplied in autumn. Prime qualities. Prices will be gladly sent on application. A. vanderVoort Dzn, Handelskweekerij "Teylingen", Sassenheim, Holland.

## PATENTS

**LELAND S. MITCHELL**, Registered Patent Attorney. Free Literature on Patents. 410 McArthur Block, Winnipeg.

## PERSONAL

**RUPTURED?** New patented invention, lifts and holds like the human hand. Write for information. Hand-Lock Products, 146 King St. East, Kitchener, Ont.

**STOP SMOKING, CHEWING IMMEDIATELY** - NO-BAK anti tobacco treatment. Satisfaction guaranteed. \$2.00. Commercial Distributing Co., Melfort, Sask.

## PERSONAL

**LONELY WRITERS** - Join our romantic correspondence magazine. Try a copy, 25c postpaid. CO. - Publishers, Parkview, Sask.

**KILL THE HAIR ROOT SUPERFLUOUS** Hair permanently, safely removed. Treatment \$2.00. Commercial Distributing Co., Melfort, Sask.

### RUPTURE TROUBLES ENDED

Positive relief and comfort. Advanced method. No elastic, no understrap, no steel. Write Smith Manufacturing Co., Dept. M., Preston, Ontario.

**LONELY? GET ACQUAINTED, MARRY** Hundreds of members. Many with means. Widows with farms or city property. Country and city girls. Teachers, nurses, farmers' daughters, cooks and housekeepers. Sealed particulars free. Canadian Correspondence Club, Box 128, Calgary, Alta.

**BE MARRIED - HAPPILY!** Wield powerful love control. Make others love you. Secure clever woman's personal methods (confidential). Get special charm. Revealing book, introducing you to valuable help, 10c. Garden Studios, Dept. 5022, Box 423, M.S.S., New York.

**HATEFUL FRECKLES INSTANTLY REMOVED** - Complete treatment \$1.00. Commercial Distributing Co., Melfort, Sask.

## PHOTO FINISHING

**FREE SNAPSHOTS! FREE ALBUM!** Mail this ad. and two negatives for free snapshots complete in album! Only one free offer to a customer. When you see these free samples you'll want more! Artisto, Dept. 159, Drawer 220, Regina, Sask.

**ROLLS DEVELOPED AND PRINTED 25c**—or 8 reprints for 25c—plus double-weight professional enlargement coupon free with each roll. Cut Rate quality would cost you more elsewhere. Films for all cameras now available. Cut Rate Photo Service, Dept. E, Box 236, Regina, Saskatchewan.

**SENSATIONAL Introductory Offer!** 6 beautiful enlargements of any 6 negatives of same size (up to 2 1/4 x 4 1/4). Produced with new Photo Electric "Magic Eye." Send negatives with this ad. and 25c in coin today! Photo Research Labs., Dept. E, Drawer 370, Regina, Sask.

## RAW FURS

**VANCOUVER PRICES LAST WEEK** on good, average quality furs were: Beaver, \$36.25; Muskrat, \$2.12; Wild Mink, \$24.75; Ranch Mink, \$16.25; Squirrel, 50 cents; Marten, \$37.50; Skunk (scrapped), \$1.55; Badger, \$6.10; Coyotes, \$6.25; Red Fox, \$6.35; Cross Fox, \$11.40; Half Silver Foxes, (dark) \$16.15; Lynx, \$27.50; Weasel, \$2.15; Seneca Root, \$2.00 pound; Beaver Castor, \$6.00. Ship by express collect for satisfactory and quick returns. J. H. Munro, 1363 Kingsway, Vancouver.

## SEED FOR SALE

**REGISTERED AND CERTIFIED SEED GRAINS AND GRASSES**, rape seed and peas. Price list now ready. Ask for copy. Newfield Seeds, Nipawin, Sask.

## SONG WRITERS

**POEMS** wanted for musical setting. Send poem for immediate consideration and FREE Rhyming Dictionary. Richard Bros., 19 Woods Building, Chicago.

**POEMS WANTED FOR MUSICAL SETTING.** Send poem for immediate consideration. FIVE STAR MUSIC MASTERS, 545 Beacon Bldg., Boston, Mass.

## STAMMERING

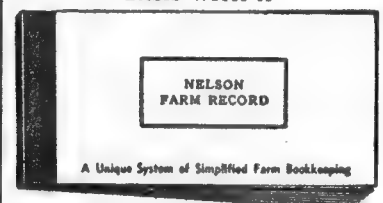
**STAMMERING CORRECTED** - For free, helpful booklet write William Dennison, 543-R, Jarvis St., Toronto.

## MAKE YOUR FARMING

MORE enjoyable . . .

MORE profitable . . .

BY PUTTING IT ON A BUSINESS BASIS WITH A



## NELSON FARM RECORD

the new system of bookkeeping for farmers. Complete and easy to understand, it requires less than 5 minutes each day to keep. Simplify your Income Tax problems, send for your Record today.

## NELSON FARM RECORD

714 - 7th AVE. WEST, CALGARY, ALTA.  
Please send me one copy of the NELSON FARM RECORD, postpaid. I am enclosing Money Order for \_\_\_\_\_ (\$1.85 for one-year size) (\$3.75 for three-year size.)

NAME \_\_\_\_\_

ADDRESS \_\_\_\_\_

(Continued on page 38)



## Valuable Coupon Worth \$2.02

This coupon and \$1.98 entitles the sender to one of our latest styled regular \$5.00 fountain pens. Check these features—Lifetime guarantee in writing with each pen—Irreversible duo-way nib insures smooth writing. Your choice of lever or bush button filler. INITIALS or NAME imprinted up to 5 letters FREE on each pen if 2 pens ordered. Over 5—5c per letter. On 1 pen minimum charge 25c allows 7 letters; over 7—5c per letter. MONEY BACK GUARANTEE—if not fully satisfied after a 10-day trial return pen and a full refund will be made (no refund on initials). No color choice on this special offer. LIMIT 2 pens to an order. STAR PEN COMPANY, REGINA.

GLASS for Automobiles, All Models  
Prompt Shipment

THE BENNETT GLASS CO. LTD.  
M 1778 228 - 7th Ave. East, Calgary

## WHY SUFFER from

- Upset Stomach
- Headache
- Indigestion
- Gas and Bloat
- Loss of Sleep
- Nervousness

caused by

- Functional Constipation?

Get Forni's time-tested Alpenkräuter. More than a laxative, it is also a stomachic tonic medicine compounded of 18 of Nature's own medicinal roots, herbs and botanicals. Alpenkräuter puts sluggish bowels to work and aids them to gently and smoothly expel clogging waste; helps drive out constipation's gas, gives the stomach that splendid feeling of warmth. If you again want to know the joy of happy relief from constipation's miseries and comfort your stomach at the same time, get Alpenkräuter today.



Caution: Use only as directed.

If you cannot buy it in your neighborhood, send for our "get acquainted" offer on Alpenkräuter and receive—

### EXTRA 60c Value — Trial Bottles of

FORNI'S HEIL-OEL LINIMENT—antiseptic—brings quick relief from rheumatic and neuralgic pains, muscular backache, stiff or sore muscles, strains and sprains. FORNI'S MAGOLO—alkaline—relieves certain temporary stomach disturbances such as acid indigestion and heartburn.

### MAIL this "SPECIAL OFFER" Coupon—Now

- ☐ Enclosed is \$1.00. Send me post-paid regular 11 oz. \$1.00 bottle of Alpenkräuter and—extra 60c value—trial bottle each of Heil-Oel and Magolo.
- ☐ C.O.D. (charges added).

Name.....

Address.....

Postoffice.....

DR. PETER FAHRNEY & SONS CO.  
Dept. C964-33A

2501 Washington Blvd., Chicago 12, Ill.  
256 Stanley St., Winnipeg, Man., Can.

## Classified Advertising

(Continued from page 37)

### TANNERS

TANNERS Furriers, Fur Dressers — Furs stored and repaired, robe and leather Tanning. Taxidermy. The Briggs Tannery, Offices and Factory, Burnside, Calgary, Alberta. Phone E 5430.

### TIRES

## NEW TIRES ALL SIZES

for

Tractors, Implements, Trucks, Earth Moving Equipment and Off the Highway Work.

### IMMEDIATE SHIPMENT

Send for illustrated bulletins giving complete description and prices.

## LEVENTHAL & CO.

WINNIPEG, MANITOBA

### TRACTOR PARTS

NEW AND USED TRACTOR PARTS for 137 different models. Describe your needs for immediate price quotations. Order from IRVING'S TRACTOR LUG COMPANY, Portal, North Dakota.

### TRAPPER SUPPLIES

MUSKRAT, MINK and BEAVER TRAP-PERS triple your catches with a Submarine trap. Ten Muskrats to a catch. Simple to operate; weighs three pounds. No losses from biting or pulling their feet off. \$4.00 each. Write for catalogue. Submarine Trap Company, Fort Saskatchewan, Alberta.

### TURKEYS

## TURKEY POULTS

GOVERNMENT APPROVED AMERICAN BROAD BREASTED BRONZE TURKEY POULTS AVAILABLE

MARCH 12th

IMMEDIATE DELIVERY

PRICES: June 1 to end of season  
March 12 to June 1  
25 50 100 25 50 100  
22.25 43.50 85.00 21.00 41.00 80.00  
Less than 25, 95c each. After June 1, 90c each.

Canadian Government Approved  
Bronze, White Holland and  
Narragansett Turkey Poults

MAY 1st 21.00 41.00 19.75 37.00  
Less than 25, 90c each. After June 1st 85c each. Rush your order with 20% deposit for early delivery.  
Silent Sioux Fuel Oil Brooder, 500-chick size \$25.15  
Brooder, 1000 size \$29.95  
Jamesway Coal Brooder, 500 size 31.00  
Brooders f.o.b. Prince Albert.  
Add 2% Education Tax.

Mid-West Hatcheries  
1603 Second Avenue W., Prince Albert

### WANTED

WANTED — BEESWAX at highest prices. Large quantities preferred. Write Prairie Candle Co., Young, Sask.

### WATCH REPAIRS

IF IT'S OUT OF ORDER send it to us. Two weeks' guaranteed service. Formerly with Henry Birks and Uren, Calgary, 22 years' experience. B. A. Lloyd, 624 - 21st Ave. N.W., Calgary. Phone H 3843.

## Help Kidneys If Back Aches

Do you suffer from Getting Up Nights, Backache, Nervousness, Leg Pains, Dizziness, Swollen Ankles, Rheumatic Pains, Bladder Weakness, Painful Passages, or feel old and run-down, due to Kidney and Bladder trouble? If so, here is good news: The very first dose of Cystex usually goes right to work helping the Kidneys flush out excess acids and wastes which may have caused your trouble. Trial Offer: To prove what Cystex may do to bring you joyous help from the pains and distress of Kidney and Bladder troubles, get Cystex from your druggist and give it a fair trial with the positive understanding that if you are not satisfied for any reason, you get your money back on return of empty package. So don't suffer another day without trying Cystex.

## EDMONTON EXHIBITION LIVESTOCK Show & Sales

APRIL 8 - 9 - 10

Exhibition Grounds

### BULL SALE

April 10 — 1:30 p.m.

156 SHORTHORNS

80 HEREFORDS

22 ABERDEEN-ANGUS

Sale of Purebred Females  
includes 20 Herefords—28 Short-horns — 8 Aberdeen-Angus

### SALE OF

161 Registered Bred Sows

Wednesday, April 9

10 a.m.

### Sale of FAT CATTLE

Several Car Lots

Wednesday, April 9

at 2:30 p.m.

Junior Judging Competitions and Judging Fat Cattle

Tuesday, April 8, 9:30 a.m.

For Bull Sale Catalogue and complete information, write

EDMONTON EXHIBITION ASSOCIATION LIMITED

Arena — Edmonton

- If your subscription to the Farm and Ranch Review has expired, a notice has been sent to you.

Please let us have your renewal by an early mail.

## If Ruptured Try This Out

Modern Protection Provides Great Comfort and Holding Security

### Without Torturous Truss Wearing

An "eye-opening" revelation in sensible and comfortable reducible rupture protection may be yours for the asking, without cost or obligation. Simply send name and address to William S. Rice, Appliance Co. Ltd., Dept. 19-B, 5 West Adelaide St., Toronto, Ont., and full details of the new and different Rice Method will be sent you free. Without hard flesh-gouging pads or tormenting pressure, here's a Support that has brought joy and comfort to thousands — by releasing them from Trusses with springs and straps, that bind and cut. Designed to securely hold a rupture up and in where it belongs and yet give freedom of body and genuine comfort. For full information—write today!

## PILES

Try this Combination Treatment for Pile Suffering FREE!

THOSE discomforting symptoms of Piles — pain, itching or bleeding — now treated privately and conveniently at home. Pile sufferers everywhere are enthusiastic about this Combination Pile Treatment. Mr. Frank Barge took Page's Pile Treatment 10 years ago. Read his recent statement below:



Trail B. C., 2060 5th Ave.

Just think; it is ten years since I took two of your treatments and have not had a return of the trouble. I have told lots of people about your remedy but it is very hard to get people to realize what your remedy will do.

Perhaps they are like me; I tried in the drug store but did not get any relief until I found your treatments, which sure was a god-send to me.

I am still working in the smelter and feeling fine. I will be 61 my next birthday.

August 20, 1945 FRANK M. BARGE

We especially want to send it to those discouraged sufferers who believe their cases to be hopeless. Even the most severely aggravated cases and cases of long standing frequently respond to this treatment. Used successfully for 50 years.

Don't neglect a single day. Write now. Send no money. Simply mail the coupon below today and a free trial will be sent promptly in plain wrapper.

## FREE TRIAL COUPON

To prove all we claim, we will send you promptly in plain package, a generous supply of this treatment. Don't wait. Mail coupon TODAY.

E. R. Page Co., Dept. 25A3 Toronto, Ont.

Name.....

Address.....

City.....Prov.....

Classified Advertising Pays

## READY MONEY FOR THE GO-AHEAD FARMER



AT THE LOWEST COST

Interest at 5 to 6% is the only charge the B of M makes for a loan to improve your farm—no compounding—no service fee—no other charge whatever. See your nearest B of M manager today.

Ask or write for our folder "Quiz for a Go-ahead Farmer."

## BANK OF MONTREAL

working with Canadians in every walk of life since 1817

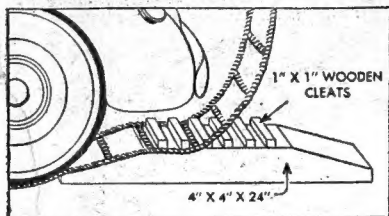




# Handy Devices

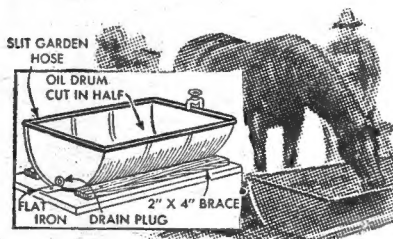
By Courtesy of The Popular Mechanics Magazine

## TIRE CHAINS PUT ON WITH AID OF WOODEN BLOCK



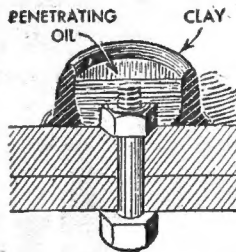
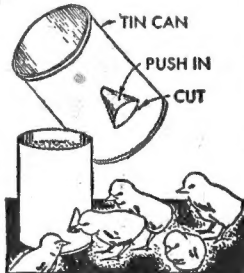
If you're driving in territory where snow is deep, putting chains on auto wheels is a difficult and slow task, but if you carry a block similar to the one in the lower detail it's no trick to get the chains on in a hurry. A 4 by 4-inch block 24 inches long with a shallow bevel at each end is fitted with cleats; the cross links of the chain fit into the spaces formed by the cleats. With the chain in place, drive your car on the block, bring the ends of the chain around the tire and fasten them. Repeat for the other rear wheel.

★ ★



## CHICK FEEDER FROM TIN CAN

If you have only a few chickens to feed, this feeder will do the job well with little waste of grain. A slot is cut near the bottom of the can and a small indentation is formed with an opening in the can. If a lid is placed on the can, it will prevent fowl from wasting feed out of the top.



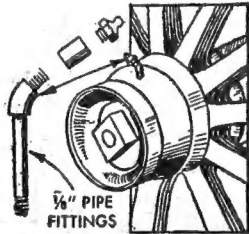
## DAM AIDS IN LUBRICATING BOLTS

BOLTS that are badly rusted must be lubricated with penetrating oil for some time before the nut can be loosened. In many cases a dam of clay can be built around the nut to act as a small reservoir that will retain the oil. The dam is firmly pressed in place, filled with oil and allowed to stand for several hours.

★ ★

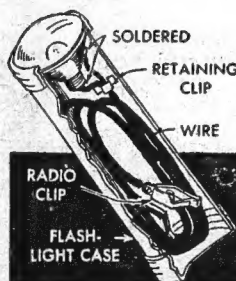
## FITTING TO GREASE WAGON WHEEL

INSTEAD of removing a wagon wheel to lubricate it, you can install a grease fitting in the hub and lubricate it with a grease gun. A hole is drilled through the hub to receive a 1/8-inch pipe nipple and the fitting is screwed to a 1/8-inch coupling. The nipple should be a tight fit so no grease will be lost.



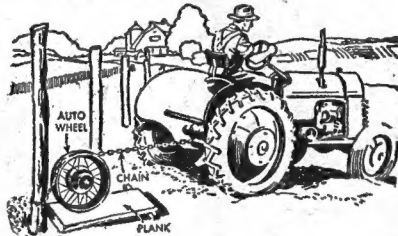
★ ★

## FLASHLIGHT USED AS TROUBLE LAMP



YOU can make good use of an old flashlight by converting it into an auto trouble light. After the cells have been removed, solder a wire to the end of the bulb and another to the back of the reflector. The other ends of the wires are fitted with radio or battery clips. The light is used by attaching the clips to the battery terminals, or to the motor or frame and any "hot-wire" terminals. The wires should be long enough so that the light will reach any part of the car. It will be necessary to use a 6-volt bulb. When not in use, the wires and clips are stored inside the flashlight case.

## AUTOMOBILE WHEEL USED TO PULL POSTS WITH AID OF TRACTOR



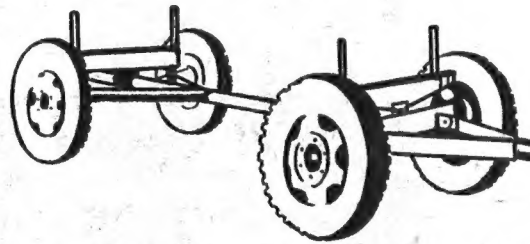
WITH an old auto wheel, a plank and a length of chain, fence posts are pulled easily, using a tractor as motive power. The chain is hooked to the post near the ground and passed over the wheel. The other end of the chain is hitched to the tractor. The chain should be long enough to prevent the top end of the post striking the driver. — Paul Criton, Kayville, Sask.

★ ★

## SMALL WATERING TROUGH UTILIZES OLD OIL DRUM

OF simple construction, this watering trough is made by cutting an oil drum in half. Before the cut is made, however, check to be sure that the drain will be at the bottom. Slat garden hose is placed over the edges of the trough to protect the stock from any irregularities in the metal caused by cutting. The tank is held in position by wood braces along the sides and a short piece of flat iron bolted over the lip at each end. The trough rests on a wooden platform.

# TRAILERS AT NEW LOW PRICES!

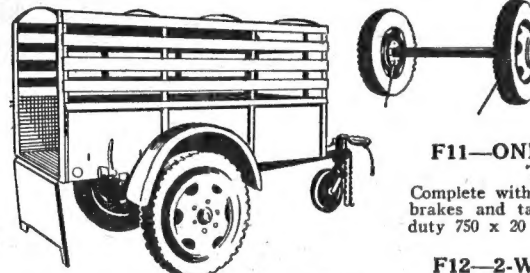


Your opportunity to buy a sturdy heavy duty trailer, or parts to make your own at bargain prices.

## F10—4-WHEEL HEAVY DUTY TRAILER

All-steel construction; capacity 6 - 8 tons complete with 750 x 20 tires and tubes

**\$394.50**



## F11—ONE-TON 2-WHEEL TRAILER

Complete with steel box, 4 ft. x 7 1/2 ft., brakes and tail light; heavy duty 750 x 20 tires

**\$210**

## F12—2-WHEEL TRAILER

As above, but fitted with 600 x 16 rims and without tires and tubes and less brakes

**\$129.50**

## F15—TARPAULINS \$7.50

for 2-wheel trailers

## WAR SALVAGE ITEMS!

Thousands including 9-29-49 gal. tanks (suitable for oil burners), plexiglas hoods for tractors, all sizes fuel hose, 3/16" wire cable, misc. bolts and fittings, work benches, 2-man crosscut saws.

TELL US YOUR REQUIREMENTS!

## F13—TRAILER BOX

4 feet x 7 1/2 ft. Complete with springs, racks, etc.

**\$59.50**

## F14—AXLE ASSEMBLY

Complete with hubs, brakes and 750 x 20 tires and tubes

**\$164.50**

# RIBTOR MFG. & DISTRIBUTING CO.

19th St. and 9th Ave. E., CALGARY, ALTA.

Phone E 5013

## You Need Electricity

Electricity can save you time and increase your income. It can take over drudgerous tasks and make living pleasanter and easier on your farm. And, best of all, you can have it now. Put a Wincharger Electric System to work for you right away. No need to wait. You can

- Save Milking Time. An electric milker will cut milking time from 1/2 to 1/3, and a woman or girl can easily do the milking.
- Save 1 1/2\* hours daily chore time by the use of electric lights.
- \*Govt. Bulletin 16-22992.
- Increase Egg Income as much as 29% with bright electric lights.
- Save water pumping with an electrically operated automatic water pump.

These are a few of the ways Wincharger Electricity can help you. For full details, see us.

**PUT WINCHARGER Electricity To Work NOW!**

**YOU CAN HAVE THESE ADVANTAGES NOW**

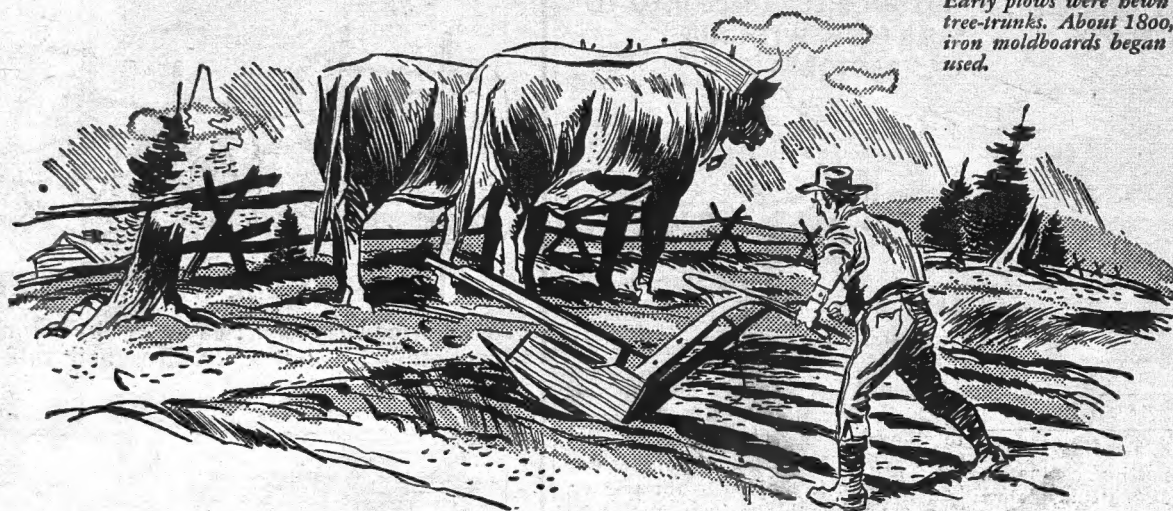
See your WINCHARGER Dealer or

**BRUCE ROBINSON ELECTRIC LTD.**

CALGARY or EDMONTON

Serving Alberta Farmers for 31 years





Early plows were hewn from tree-trunks. About 1800, cast-iron moldboards began to be used.

## 100 YEARS OF PROGRESS *in making Farm Implements*

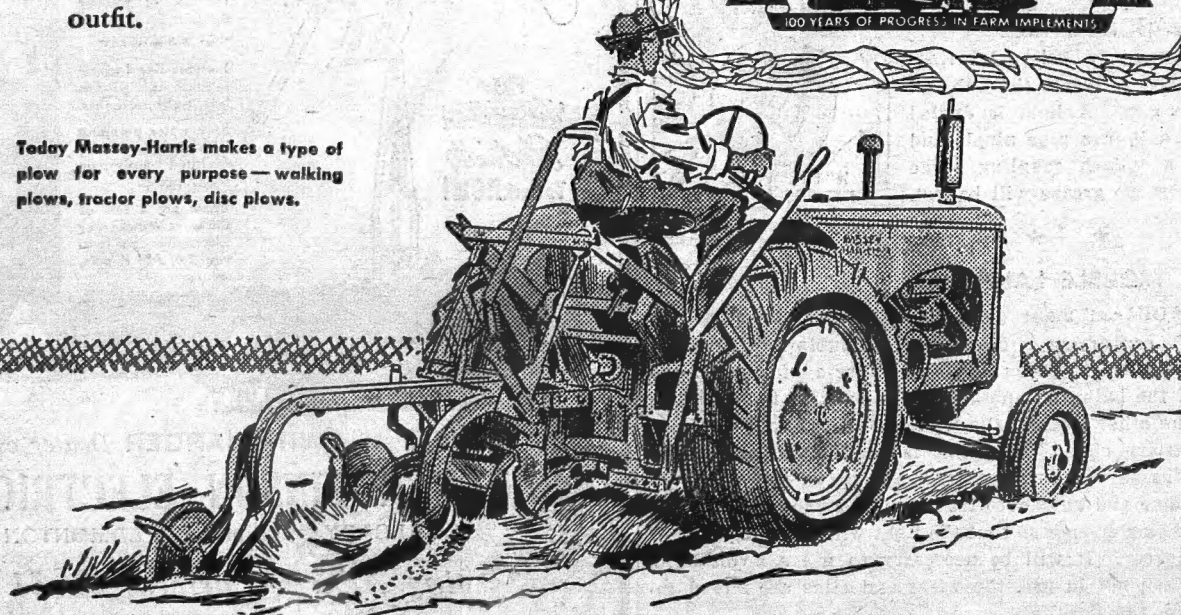
AS LATE AS 1794, wooden moldboards were hewn from tree trunks, and when the first cast iron plows were made, farmers believed that the cast iron "poisoned the land". Then came lighter weight steel plows. Soon plows were being made in factories at much lower cost than they could be made by the local blacksmith. Since 1847 when the first Massey plant started producing plows and other farm implements, machine methods have almost completely replaced hand labor on the farm.

Plowing requires more power than any other farm operation. Today on thousands of farms in Canada and throughout the world, Massey-Harris plows drawn by powerful Massey-Harris tractors speed across the fields, enabling the farmer to plow twice the acreage he formerly plowed with a four horse outfit.

Today Massey-Harris makes a type of plow for every purpose—walking plows, tractor plows, disc plows.

And Massey-Harris mowers, binders, combines and other machines handle crops more speedily than would have been thought possible a hundred years ago.

The past century has been one of steady expansion for the Massey-Harris industry. To the farmer it has brought happy release from much of the back-breaking labor connected with farm work.





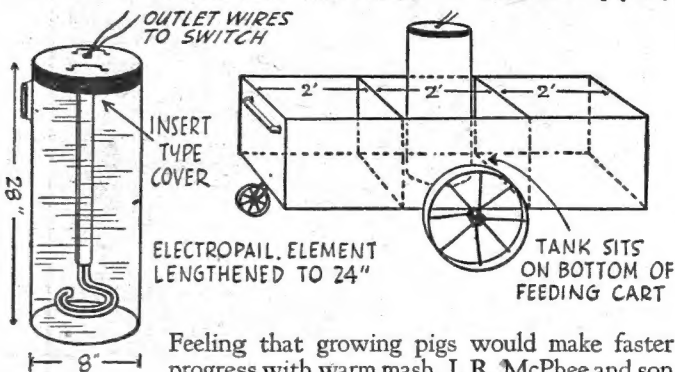


EX LIBRIS  
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from a neighbors farm

Safeway's Farm Reporter keeps tab on how farmers make work easier, cut operating costs, improve crop quality. Safeway reports (not necessarily endorses) his findings because we Safeway people know that exchanging good ideas helps everybody, including us. After all, more than a third of our customers are farm folks.

## YOUNG PORKERS GAIN FAST WITH HOME MADE FEED WARMER



Feeling that growing pigs would make faster progress with warm mash, J. R. McPhee and son Don, Chilliwack, B.C., went to work and came up with a warmer that is simple and efficient. They use a slop cart in three sections, one each for growing, finishing and sow ration—each section 2'x2'x2'. They were feeding mash at a heat of 38 degrees to 40 degrees F.—decided that if this could be raised to 80 degrees F. their pigs would gain faster. They lengthened and bent a 1320 watt Electropail heating element and welded the neck to a hollow insert-type lid, packing the lid with asbestos. The lid and unit is inserted into a water-filled metal cylinder 28"x8", with a heavy duty extension cord to a separate branch circuit—a time switch added for automatic operation. The tank is placed in the middle section and two hours before feeding time the warmer starts. At feeding time, son Don lifts the warmer out of the mash, removes the lid and pours the hot water into the warmed mash of that section. When the water and mash have been mixed thoroughly, the temperature of the mash is about 80 degrees F., and the young pigs love it.

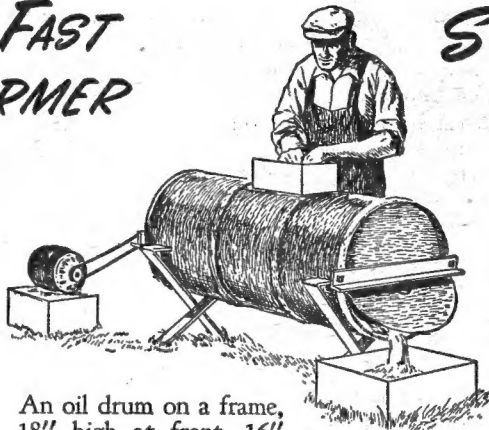
## SPRAYER-DUSTER



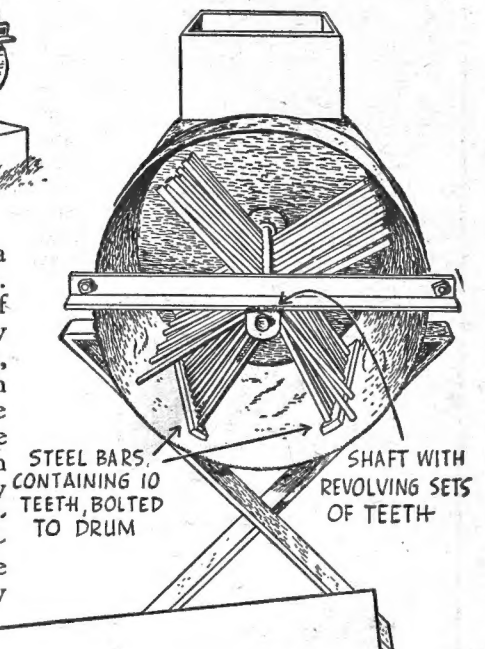
GOOD USE FOR HALF A BICYCLE!

During the war years, John Daman of St. Vital, Manitoba, could not get a satisfactory sprayer so he rigged up one himself from parts around his 40-acre produce farm. He used a hand sprayer, a bicycle wheel and built a frame out of  $\frac{3}{4}$ " and  $\frac{1}{2}$ " pipe. He attached a belt to the pulley on the sprayer, hooking it to a larger pulley on the wheel. The sprayer-dusters are worked from a  $1\frac{1}{2}$ " flexible pipe attached to each handle by clamps. If the bicycle wheel has a brake on it, this can be used to throw the duster out of gear in rolling it from one garden to another. Cost was approximately \$25, and Daman says his investment has saved him plenty of work and time in dusting. Previously the dusting was done by hand from the same (Dobbin) sprayer.

## SOLVES SEED THRESHING PROBLEMS

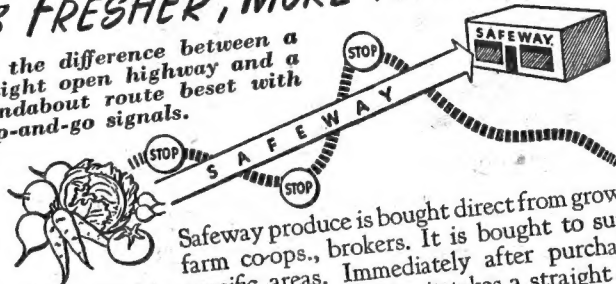


An oil drum on a frame, 18" high at front, 16" high at back, provides W. H. Baumbrough, Vernon, B.C., with a thresher for small seeds such as onions, etc. On a shaft in the drum are four sets of teeth, eleven to a set, clearing the drum by  $1\frac{1}{2}$ ". Two steel bars, each with ten teeth, are bolted down inside drum and through these fixed teeth, the rotating teeth on the shaft mesh. Shaft is set in 2"x2" angle irons, bolted and welded to drum, with one end of shaft equipped with "V" pulley to a small motor. On top of drum is a hopper for feeding seed pods of small vegetables; doors at low end of drum provide access to the seed. Drum frame is simply made as shown.



## WHY PRODUCE AT SAFEWAY IS FRESHER, MORE FLAVORFUL

It's the difference between a straight open highway and a roundabout route beset with stop-and-go signals.



Safeway produce is bought direct from growers, farm co-ops., brokers. It is bought to supply usually right out of the field or orchard—it takes a straight open highway to market. No sidetrack delays while destination is determined. No time out for second or third "deals." Safeway produce is naturally fresher in the store because it gets there quicker. Being fresher it tastes better, has more flavor. So consumers gladly buy more, which helps give growers a better return.

- Safeway buys direct, sells direct, to cut "in-between" costs.
- Safeway buys regularly, offering producers a steady market; when purchasing from farmers Safeway accepts no brokerage directly or indirectly.
- Safeway pays going prices or better, never offers a price lower than producer quotes.
- Safeway stands ready to help move surpluses.
- Safeway sells at lower prices, made possible by direct, less costly distribution . . . so consumers can afford to increase their consumption.

**SAFEWAY** — the neighborhood grocery stores